

Kuipers & Associates

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Date: June 8, 2010

To: Anaconda Deer Lodge County

From: Kuipers & Associates

Subject: **Ambient Air Quality Monitoring
Opportunity and Warm Springs Sites
May 2010 Monthly Report**

This May 2010 report documents the ambient air quality monitoring program conducted by Kuipers & Associates on behalf of Anaconda Deer Lodge County at the Opportunity and Warm Springs locations adjacent to the Atlantic Richfield Lower Waste Management Area (LWMA). Total Suspended Particulate (TSP) is monitored at Opportunity, and PM10 at Warm Springs. Additionally, wind speed, wind direction, temperature and relative humidity are monitored at both sites.

All data, discussion and conclusions provided in this report are preliminary and will undergo a complete quality assurance review prior to issuance of final results in quarterly and annual reports in accordance with the project Sampling and Analysis Plan. Results for the month are summarized as follows:

- Hourly average data were collected continuously by the monitors from May 1st through May 31st, with 99.6% availability for TSP at the Opportunity location and 99.6% availability for PM10 at the Warm Springs location.
 - Downtime at the Opportunity location occurred on May 26 at 14:00 MST for routine maintenance.
 - Downtime also occurred at the Opportunity location on May 31 at 09:00 MST because no data were recorded.
 - TSP data for the Opportunity location on May 23 at 06:00 MST was excluded from analysis because instrument readings may have been affected by a snow event.
 - Downtime at the Warm Springs location occurred on May 7 at 19:00 MST and on May 26 at 12:00 MST for routine maintenance.
 - PM10 data for the Warm Springs location on May 23 at 06:00 MST was excluded from analysis because instrument readings may have been affected by a snow event.

- The hourly average data record for the month is attached to the end of this report. Current data is available for real-time electronic download on demand, and public viewing at: <http://ka.airsis.com/vision/login.aspx?ReturnUrl=%2fvision%2fDefault.aspx> (Username = ADLC, Password = OCPA).

- Monthly and quarterly air monitoring reports from June 2007 through present are now available on the County's website at:
http://anacondadeerlodge.mt.gov/super/info.aspx#q_reports.
- At the Opportunity location the maximum TSP reading for the period on a daily average basis was 52 $\mu\text{g}/\text{m}^3$, and the average monthly concentration was 13 $\mu\text{g}/\text{m}^3$. The maximum reading for the period on an hourly average basis was 258 $\mu\text{g}/\text{m}^3$. This value was associated with strong north winds, indicating that the Lower Waste Management Area (LWMA) may have been a contributing source. The four highest daily and hourly maximum values are summarized in Table 1, and the average daily data for the month is attached together with meteorological information in Table 3. Note that both the second and third highest hourly values occurred during very strong *southwest* winds, when the Opportunity location was upwind from the LWMA. This indicates that strong winds from any direction may cause elevated TSP concentrations.
- At the Warm Springs location the maximum PM10 reading for the period on a daily average basis was 15 $\mu\text{g}/\text{m}^3$, and the average monthly concentration was 4 $\mu\text{g}/\text{m}^3$. The maximum reading for the period on an hourly average basis was 149 $\mu\text{g}/\text{m}^3$. This value occurred with very strong south-southeast winds, suggesting a potential impact from the LWMA. However, high TSP concentrations occurred at the Opportunity site during the same hour, indicating a regional dust event caused by high winds. The four highest daily and hourly maximum values are summarized in Table 2, and the average daily data for the month is attached together with meteorological information in Table 4.

Table 1
Opportunity Site TSP Maximum Data, May 2010

Maximum	TSP ($\mu\text{g}/\text{m}^3$)	Date & Time (MST)	Wind Speed (mph)	Wind Direction (deg)
Daily 1st Max	52	5/11/2010	13.0	9
Daily 2nd Max	42	5/3/2010	11.2	235
Daily 3rd Max	27	5/17/2010	4.9	192
Daily 4th Max	22	5/14/2010	4.4	191
Hourly 1st Max	258	5/11/2010 09:00	16.3	13
Hourly 2nd Max	250	5/3/2010 12:00	22.8	229
Hourly 3rd Max	211	5/3/2010 11:00	20.6	227
Hourly 4th Max	179	5/11/2010 15:00	17.7	11

Table 2
Warm Springs Site PM10 Maximum Data, May 2010

Maximum	PM10 ($\mu\text{g}/\text{m}^3$)	Date & Time (MST)	Wind Speed (mph)	Wind Direction (deg)
Daily 1st Max	15	5/3/2010	11.5	220
Daily 2nd Max	11	5/11/2010	7.2	357
Daily 3rd Max	9	5/14/2010	4.1	166
Daily 4th Max	8	5/15/2010	4.4	265
Hourly 1st Max	149	5/3/2010 12:00	23.5	214
Hourly 2nd Max	58	5/9/2010 05:00	2.0	180
Hourly 3rd Max	49	5/3/2010 11:00	18.6	206
Hourly 4th Max	48	5/9/2010 04:00	1.6	328

- There are no Montana or Federal air quality standards for TSP; both were replaced by the current PM10 standard in 1987. Prior to 1987 the Montana annual TSP standard was $75 \mu\text{g}/\text{m}^3$, the 24-hour standard was $200 \mu\text{g}/\text{m}^3$ and there was no hourly standard. TSP results for May at Opportunity were well below these historical standards. Monitoring for PM10 from May 2007 through June of 2008 showed that PM10 concentrations were consistently below regulatory levels. To facilitate comparison with previously collected PM10 data, the TSP data are being reported at Local temperature and pressure conditions.
- At the Warm Springs monitoring site daily average PM10 results for the month of May were well below the 24-hour Montana Ambient Air Quality Standard of $150 \mu\text{g}/\text{m}^3$. The average monthly concentration was below the annual PM10 standard of $50 \mu\text{g}/\text{m}^3$. There currently is no State or Federal standard for hourly PM10 data.
- Precipitation for the month was well above average based on weather records for the Butte airport. The automated rain gauge at Opportunity registered 1.98 inches of precipitation during the month.
- Wind roses are attached to graphically depict prevailing winds.
 - Figure 1 shows the Opportunity location, where the predominant wind directions in May were from the southwest quadrant, and from the north.
 - Figure 2 shows the Warm Springs location, where winds were mostly from the south through south-southeast, and from the north.
- If a dust storm event or nuisance dust in general is observed, please contact us so that we may respond, and try to quantify and document the problem. We are available seven days per week 24 hours per day and ask that you contact the following (in order) until someone is notified.

Dust Event Contacts:

Steve Heck	498-4199
David Dobrinen	563-7476, then 490-9205
Jim Kuipers	782-3441, then 459-0445

Table 3
Opportunity Site Daily Average Data

Date	TSP Daily ($\mu\text{g}/\text{m}^3$)	Wind Speed Daily (meters per second)	Wind Speed Daily (miles per hour)	Wind Direction Daily (degrees true)	Air Temperature Daily (Celsius)	Air Temperature Daily (Fahrenheit)	Relative Humidity Daily (percent)	Precipitation Total (inches)
May 1, 2010	8	3.4	7.5	294	3.7	38.7	60	0.00
May 2, 2010	2	3.5	7.9	276	4.5	40.0	50	0.00
May 3, 2010	42	5.0	11.2	235	5.0	41.0	59	0.14
May 4, 2010	21	3.8	8.4	268	0.3	32.5	44	0.00
May 5, 2010	21	3.0	6.7	359	-2.0	28.4	58	0.00
May 6, 2010	11	3.0	6.8	350	-1.2	29.8	66	0.00
May 7, 2010	9	1.5	3.4	174	1.1	34.0	54	0.00
May 8, 2010	10	2.3	5.1	219	2.7	36.9	58	0.00
May 9, 2010	6	1.8	4.1	348	4.4	39.9	56	0.00
May 10, 2010	13	1.9	4.3	351	5.1	41.1	58	0.00
May 11, 2010	52	5.8	13.0	9	5.5	41.8	62	0.00
May 12, 2010	15	2.2	5.0	11	5.3	41.6	50	0.00
May 13, 2010	21	2.0	4.5	83	6.8	44.3	45	0.00
May 14, 2010	22	2.0	4.4	191	10.8	51.4	39	0.00
May 15, 2010	21	1.8	4.1	293	11.1	51.9	45	0.00
May 16, 2010	15	1.7	3.8	186	13.8	56.9	41	0.00
May 17, 2010	27	2.2	4.9	192	15.4	59.7	40	0.00
May 18, 2010	22	2.3	5.2	238	14.3	57.7	53	0.13
May 19, 2010	10	2.1	4.7	270	12.3	54.1	58	0.00
May 20, 2010	9	3.1	6.9	308	5.6	42.2	64	0.16
May 21, 2010	5	2.0	4.5	235	5.0	40.9	57	0.04
May 22, 2010	3	2.0	4.5	335	2.9	37.3	75	0.23
May 23, 2010	3	2.2	4.9	144	4.3	39.8	66	0.13
May 24, 2010	1	2.6	5.8	8	3.9	39.0	81	0.17
May 25, 2010	4	1.7	3.8	176	8.0	46.3	58	0.00
May 26, 2010	12	2.4	5.3	137	9.8	49.6	55	0.00
May 27, 2010	6	2.1	4.6	181	8.0	46.4	75	0.31
May 28, 2010	0	2.5	5.6	3	4.4	39.8	87	0.45
May 29, 2010	2	2.1	4.6	301	6.5	43.7	68	0.00
May 30, 2010	4	2.3	5.1	236	9.1	48.4	51	0.00
May 31, 2010	3	2.0	4.6	221	10.5	50.8	64	0.22

Table 4
Warm Springs Site Daily Average Data

Date	PM10 Daily ($\mu\text{g}/\text{m}^3$)	Wind Speed Daily (meters per second)	Wind Speed Daily (miles per hour)	Wind Direction Daily (degrees true)	Air Temperature Daily (Celsius)	Air Temperature Daily (Fahrenheit)	Relative Humidity Daily (percent)
May 1, 2010	3	2.3	5.1	303	4.2	39.5	62
May 2, 2010	1	2.6	5.8	265	4.5	40.2	56
May 3, 2010	15	5.1	11.5	220	5.6	42.1	60
May 4, 2010	3	4.3	9.6	260	0.5	32.9	49
May 5, 2010	7	2.4	5.3	350	-1.4	29.5	58
May 6, 2010	7	2.5	5.6	351	-0.2	31.6	62
May 7, 2010	4	1.4	3.2	146	1.4	34.5	55
May 8, 2010	4	1.8	4.0	208	3.4	38.2	59
May 9, 2010	7	1.3	2.9	14	4.6	40.4	58
May 10, 2010	4	1.8	4.1	348	6.1	42.9	57
May 11, 2010	11	3.2	7.2	357	6.4	43.6	61
May 12, 2010	7	1.5	3.4	5	6.1	42.9	51
May 13, 2010	6	1.6	3.5	103	7.8	46.0	45
May 14, 2010	9	1.9	4.1	166	11.5	52.7	40
May 15, 2010	8	2.0	4.4	265	11.6	53.0	48
May 16, 2010	5	1.8	4.1	169	14.6	58.3	42
May 17, 2010	5	1.9	4.4	189	16.0	60.9	40
May 18, 2010	7	2.0	4.4	191	14.7	58.5	57
May 19, 2010	1	1.5	3.3	139	12.9	55.1	60
May 20, 2010	2	2.5	5.6	249	6.9	44.4	62
May 21, 2010	2	1.8	4.1	212	5.9	42.7	56
May 22, 2010	1	1.6	3.6	304	3.9	39.0	74
May 23, 2010	3	1.8	4.1	160	5.4	41.6	64
May 24, 2010	1	1.6	3.6	11	4.8	40.7	79
May 25, 2010	1	1.8	4.0	170	8.6	47.4	60
May 26, 2010	6	2.4	5.5	144	10.9	51.5	55
May 27, 2010	4	1.8	4.0	164	8.8	47.9	75
May 28, 2010	0	1.6	3.7	1	5.0	41.1	87
May 29, 2010	0	1.6	3.6	310	6.8	44.2	72
May 30, 2010	2	2.8	6.2	238	10.4	50.6	52
May 31, 2010	1	2.3	5.1	199	11.5	52.7	65

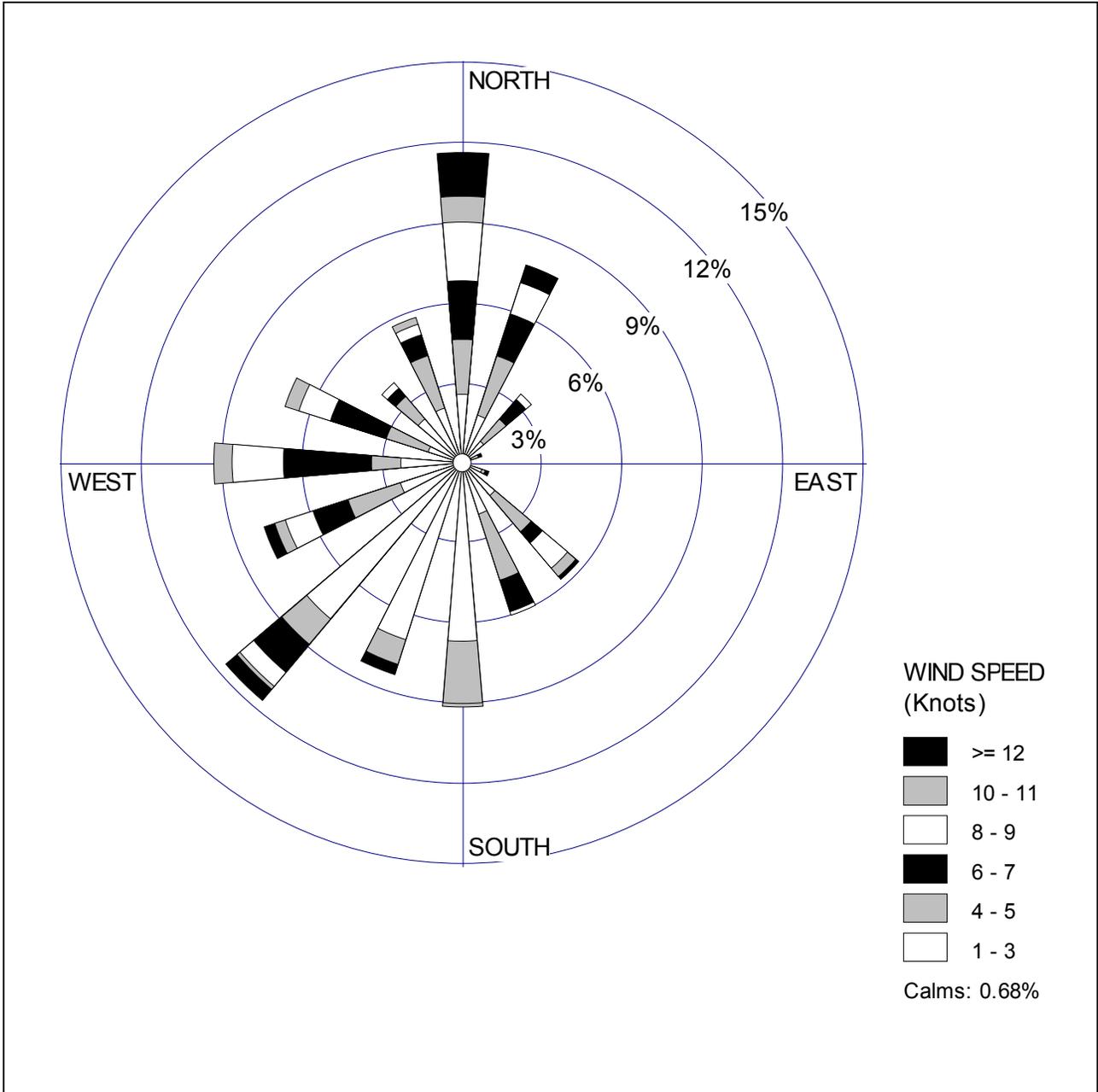


Figure 1. Wind Rose (percent of time blowing from indicated direction) for Opportunity EBAM Site May 2010.

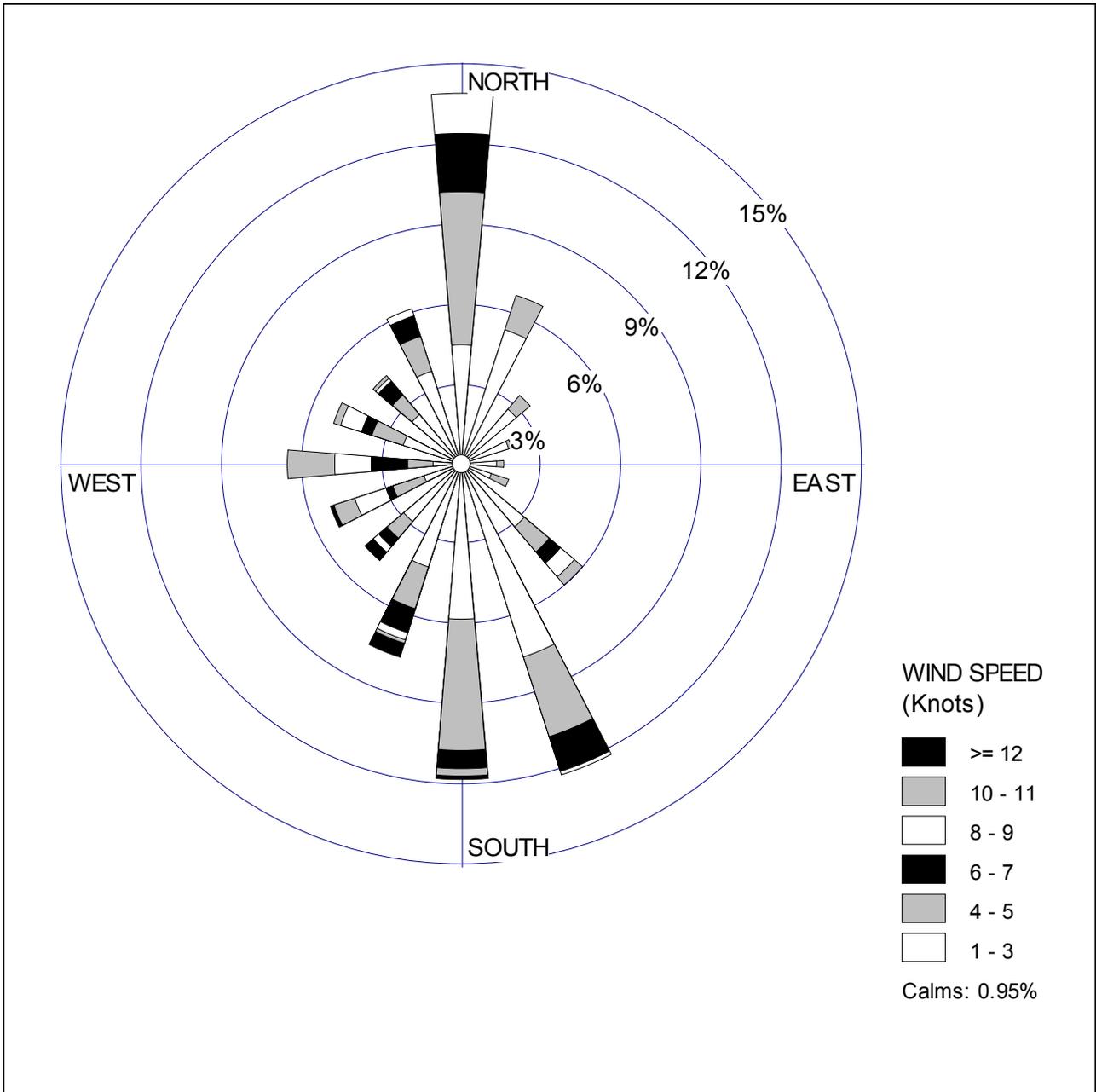


Figure 2. Wind Rose (percent of time blowing from indicated direction) for Warm Springs EBAM Site May 2010.

Table 5
Opportunity Site Hourly Average Data
Met One E-BAM
May 2010

Date & Time Mountain Standard Time (data for hour ending)	TSP Hourly (µg/m3)	Wind Speed Hourly (meters per second)	Wind Speed Hourly (miles per hour)	Wind Direction Hourly (degrees true)	Air Temperature Hourly (Celsius)	Air Temperature Hourly (Fahrenheit)	Relative Humidity Hourly (percent)	Precipitation Hourly (inches)
5/1/2010 1:00	4	3.5	7.8	263	2.8	37.0	64	0.00
5/1/2010 2:00	-5	3.0	6.7	256	2.5	36.5	67	0.00
5/1/2010 3:00	-4	3.5	7.8	253	1.8	35.2	75	0.00
5/1/2010 4:00	18	3.3	7.4	263	1.9	35.4	72	0.00
5/1/2010 5:00	7	2.6	5.8	290	2.5	36.5	67	0.00
5/1/2010 6:00	4	2.0	4.5	267	2.0	35.6	71	0.00
5/1/2010 7:00	-4	2.2	4.9	278	2.1	35.8	72	0.00
5/1/2010 8:00	-1	3.0	6.7	281	3.0	37.4	65	0.00
5/1/2010 9:00	-5	3.6	8.1	271	4.3	39.7	57	0.00
5/1/2010 10:00	3	4.6	10.3	277	5.8	42.4	46	0.00
5/1/2010 11:00	-5	3.8	8.5	296	6.4	43.5	44	0.00
5/1/2010 12:00	4	4.2	9.4	281	5.7	42.3	50	0.00
5/1/2010 13:00	-1	3.8	8.5	272	6.0	42.8	48	0.00
5/1/2010 14:00	4	4.3	9.6	283	6.4	43.5	45	0.00
5/1/2010 15:00	14	4.2	9.4	313	6.1	43.0	49	0.00
5/1/2010 16:00	85	4.8	10.7	40	3.8	38.8	68	0.00
5/1/2010 17:00	20	3.6	8.1	27	5.1	41.2	60	0.00
5/1/2010 18:00	27	3.8	8.5	37	4.4	39.9	61	0.00
5/1/2010 19:00	20	2.8	6.3	360	5.1	41.2	51	0.00
5/1/2010 20:00	8	2.6	5.8	345	3.7	38.7	53	0.00
5/1/2010 21:00	3	2.6	5.8	303	2.4	36.3	62	0.00
5/1/2010 22:00	-2	3.4	7.6	267	2.0	35.6	63	0.00
5/1/2010 23:00	-1	3.4	7.6	274	2.0	35.6	62	0.00
5/2/2010 0:00	3	2.1	4.7	314	2.0	35.6	62	0.00
5/2/2010 1:00	-1	2.5	5.6	296	2.0	35.6	61	0.00
5/2/2010 2:00	-4	3.1	6.9	278	1.9	35.4	60	0.00
5/2/2010 3:00	2	3.2	7.2	271	1.7	35.1	59	0.00
5/2/2010 4:00	-3	3.2	7.2	273	1.2	34.2	61	0.00
5/2/2010 5:00	3	2.8	6.3	274	0.9	33.6	62	0.00
5/2/2010 6:00	-5	1.8	4.0	298	0.7	33.3	66	0.00
5/2/2010 7:00	4	1.6	3.6	327	1.3	34.3	66	0.00
5/2/2010 8:00	0	2.6	5.8	284	2.5	36.5	59	0.00
5/2/2010 9:00	1	3.9	8.7	261	4.2	39.6	52	0.00
5/2/2010 10:00	6	4.4	9.8	270	5.1	41.2	52	0.00
5/2/2010 11:00	4	4.9	11.0	277	6.9	44.4	46	0.00
5/2/2010 12:00	-2	4.9	11.0	275	7.3	45.1	45	0.00
5/2/2010 13:00	10	5.1	11.4	278	7.7	45.9	43	0.00
5/2/2010 14:00	6	5.1	11.4	273	8.3	46.9	39	0.00
5/2/2010 15:00	1	4.7	10.5	268	7.9	46.2	37	0.00
5/2/2010 16:00	15	4.8	10.7	278	8.5	47.3	33	0.00
5/2/2010 17:00	0	4.4	9.8	286	8.0	46.4	35	0.00
5/2/2010 18:00	-3	4.2	9.4	282	7.4	45.3	35	0.00
5/2/2010 19:00	5	3.9	8.7	285	6.0	42.8	39	0.00
5/2/2010 20:00	-4	3.7	8.3	291	4.7	40.5	44	0.00
5/2/2010 21:00	3	3.3	7.4	282	3.9	39.0	45	0.00
5/2/2010 22:00	8	2.7	6.0	249	3.0	37.4	48	0.00
5/2/2010 23:00	-1	2.1	4.7	233	2.6	36.7	52	0.00
5/3/2010 0:00	-1	2.0	4.5	217	3.3	37.9	51	0.00
5/3/2010 1:00	8	1.4	3.1	202	3.7	38.7	53	0.00
5/3/2010 2:00	3	3.0	6.7	220	3.8	38.8	57	0.00
5/3/2010 3:00	3	4.1	9.2	224	4.5	40.1	55	0.00
5/3/2010 4:00	2	4.0	8.9	221	5.1	41.2	53	0.00
5/3/2010 5:00	6	3.9	8.7	217	5.4	41.7	55	0.00
5/3/2010 6:00	9	3.6	8.1	216	5.2	41.4	60	0.00
5/3/2010 7:00	10	3.2	7.2	209	4.9	40.8	65	0.00
5/3/2010 8:00	1	3.3	7.4	209	5.7	42.3	64	0.00
5/3/2010 9:00	39	5.6	12.5	218	6.4	43.5	63	0.00
5/3/2010 10:00	56	6.4	14.3	220	7.1	44.8	63	0.00
5/3/2010 11:00	211	9.2	20.6	227	8.8	47.8	58	0.00
5/3/2010 12:00	250	10.2	22.8	229	9.4	48.9	58	0.00
5/3/2010 13:00	43	7.3	16.3	232	10.0	50.0	60	0.00
5/3/2010 14:00	46	4.5	10.1	219	11.4	52.5	51	0.01
5/3/2010 15:00	30	3.4	7.6	209	11.9	53.4	49	0.02
5/3/2010 16:00	21	5.2	11.6	244	9.1	48.4	62	0.01
5/3/2010 17:00	-5	5.7	12.8	272	3.7	38.7	82	0.10
5/3/2010 18:00	18	7.2	16.1	253	2.2	36.0	68	0.00
5/3/2010 19:00	54	3.1	6.9	272	1.4	34.5	69	0.00
5/3/2010 20:00	45	5.6	12.5	253	0.9	33.6	65	0.00
5/3/2010 21:00	46	3.8	8.5	266	-0.1	31.8	69	0.00
5/3/2010 22:00	40	5.7	12.8	251	0.4	32.7	47	0.00
5/3/2010 23:00	45	4.9	11.0	260	-0.2	31.6	44	0.00
5/4/2010 0:00	36	6.2	13.9	247	-0.8	30.6	50	0.00
5/4/2010 1:00	146	7.2	16.1	243	-0.6	30.9	43	0.00
5/4/2010 2:00	133	2.2	4.9	134	-0.8	30.6	46	0.00
5/4/2010 3:00	8	2.8	6.3	255	-1.1	30.0	48	0.00
5/4/2010 4:00	3	3.4	7.6	251	-1.1	30.0	45	0.00

Date & Time Mountain Standard Time (data for hour ending)	TSP Hourly (µg/m3)	Wind Speed Hourly (meters per second)	Wind Speed Hourly (miles per hour)	Wind Direction Hourly (degrees true)	Air Temperature Hourly (Celsius)	Air Temperature Hourly (Fahrenheit)	Relative Humidity Hourly (percent)	Precipitation Hourly (inches)
5/4/2010 5:00	6	4.5	10.1	240	-1.5	29.3	48	0.00
5/4/2010 6:00	3	3.0	6.7	258	-1.6	29.1	47	0.00
5/4/2010 7:00	9	2.7	6.0	267	-1.2	29.8	45	0.00
5/4/2010 8:00	14	4.5	10.1	265	-0.3	31.5	41	0.00
5/4/2010 9:00	9	4.8	10.7	268	-0.3	31.5	42	0.00
5/4/2010 10:00	3	4.4	9.8	270	0.2	32.4	43	0.00
5/4/2010 11:00	5	4.6	10.3	275	1.3	34.3	42	0.00
5/4/2010 12:00	17	5.3	11.9	269	2.2	36.0	40	0.00
5/4/2010 13:00	28	4.6	10.3	277	2.8	37.0	38	0.00
5/4/2010 14:00	30	5.1	11.4	280	3.0	37.4	37	0.00
5/4/2010 15:00	29	5.1	11.4	282	3.1	37.6	36	0.00
5/4/2010 16:00	9	5.1	11.4	287	3.3	37.9	36	0.00
5/4/2010 17:00	1	4.6	10.3	284	3.5	38.3	36	0.00
5/4/2010 18:00	5	4.4	9.8	283	3.1	37.6	36	0.00
5/4/2010 19:00	4	3.7	8.3	287	2.2	36.0	40	0.00
5/4/2010 20:00	9	3.1	6.9	282	0.5	32.9	45	0.00
5/4/2010 21:00	-1	1.7	3.8	285	-0.9	30.4	52	0.00
5/4/2010 22:00	3	1.9	4.3	289	-1.5	29.3	54	0.00
5/4/2010 23:00	13	0.8	1.8	213	-3.2	26.2	59	0.00
5/5/2010 0:00	12	0.8	1.8	227	-4.8	23.4	61	0.00
5/5/2010 1:00	-1	1.2	2.7	204	-4.7	23.5	59	0.00
5/5/2010 2:00	14	0.9	2.0	216	-6.1	21.0	64	0.00
5/5/2010 3:00	4	0.8	1.8	193	-7.7	18.1	70	0.00
5/5/2010 4:00	28	0.9	2.0	224	-8.7	16.3	70	0.00
5/5/2010 5:00	-5	0.8	1.8	188	-10.7	12.7	76	0.00
5/5/2010 6:00	11	1.0	2.2	226	-10.2	13.6	74	0.00
5/5/2010 7:00	7	0.7	1.6	230	-5.8	21.6	59	0.00
5/5/2010 8:00	3	1.0	2.2	139	-2.9	26.8	53	0.00
5/5/2010 9:00	12	1.0	2.2	20	-0.7	30.7	45	0.00
5/5/2010 10:00	8	1.3	2.9	7	0.8	33.4	41	0.00
5/5/2010 11:00	5	1.6	3.6	15	2.4	36.3	36	0.00
5/5/2010 12:00	11	1.7	3.8	53	3.6	38.5	35	0.00
5/5/2010 13:00	7	3.6	8.1	9	3.6	38.5	41	0.00
5/5/2010 14:00	24	4.5	10.1	13	3.1	37.6	45	0.00
5/5/2010 15:00	29	4.7	10.5	347	1.8	35.2	54	0.00
5/5/2010 16:00	6	2.5	5.6	13	2.7	36.9	52	0.00
5/5/2010 17:00	9	3.6	8.1	349	2.5	36.5	48	0.00
5/5/2010 18:00	53	4.9	11.0	9	2.1	35.8	47	0.00
5/5/2010 19:00	67	6.7	15.0	7	0.2	32.4	54	0.00
5/5/2010 20:00	24	6.7	15.0	4	-1.4	29.5	61	0.00
5/5/2010 21:00	114	6.0	13.4	1	-2.3	27.9	69	0.00
5/5/2010 22:00	51	5.1	11.4	346	-3.6	25.5	85	0.00
5/5/2010 23:00	29	5.1	11.4	347	-3.3	26.1	81	0.00
5/6/2010 0:00	-2	5.8	13.0	353	-3.2	26.2	76	0.00
5/6/2010 1:00	29	5.2	11.6	352	-3.5	25.7	77	0.00
5/6/2010 2:00	3	5.0	11.2	351	-3.7	25.3	76	0.00
5/6/2010 3:00	30	4.1	9.2	341	-3.9	25.0	77	0.00
5/6/2010 4:00	15	3.9	8.7	342	-3.7	25.3	73	0.00
5/6/2010 5:00	13	3.2	7.2	341	-3.9	25.0	74	0.00
5/6/2010 6:00	14	2.8	6.3	345	-4.2	24.4	78	0.00
5/6/2010 7:00	20	3.9	8.7	2	-4.0	24.8	76	0.00
5/6/2010 8:00	9	4.8	10.7	14	-3.2	26.2	68	0.00
5/6/2010 9:00	7	4.6	10.3	23	-2.5	27.5	63	0.00
5/6/2010 10:00	3	3.8	8.5	25	-1.6	29.1	59	0.00
5/6/2010 11:00	-1	3.7	8.3	28	0.0	32.0	55	0.00
5/6/2010 12:00	8	3.6	8.1	34	1.2	34.2	49	0.00
5/6/2010 13:00	6	2.9	6.5	11	1.3	34.3	46	0.00
5/6/2010 14:00	10	2.0	4.5	302	2.4	36.3	43	0.00
5/6/2010 15:00	9	3.2	7.2	263	3.3	37.9	44	0.00
5/6/2010 16:00	21	2.3	5.1	14	3.0	37.4	43	0.00
5/6/2010 17:00	7	3.1	6.9	282	1.8	35.2	54	0.00
5/6/2010 18:00	13	2.8	6.3	298	0.9	33.6	62	0.00
5/6/2010 19:00	6	2.2	4.9	327	-0.3	31.5	73	0.00
5/6/2010 20:00	-5	1.8	4.0	292	-0.7	30.7	73	0.00
5/6/2010 21:00	27	1.3	2.9	307	-1.6	29.1	81	0.00
5/6/2010 22:00	-5	1.7	3.8	17	-1.6	29.1	74	0.00
5/6/2010 23:00	8	0.5	1.1	10	-2.3	27.9	77	0.00
5/7/2010 0:00	6	0.3	0.7	276	-2.9	26.8	79	0.00
5/7/2010 1:00	-5	0.4	0.9	232	-3.0	26.6	81	0.00
5/7/2010 2:00	21	0.6	1.3	236	-4.0	24.8	85	0.00
5/7/2010 3:00	1	0.8	1.8	222	-4.6	23.7	86	0.00
5/7/2010 4:00	-3	0.6	1.3	173	-5.4	22.3	87	0.00
5/7/2010 5:00	33	0.8	1.8	222	-6.7	19.9	85	0.00
5/7/2010 6:00	9	1.0	2.2	223	-7.8	18.0	81	0.00
5/7/2010 7:00	-1	0.8	1.8	278	-4.0	24.8	68	0.00
5/7/2010 8:00	1	1.2	2.7	329	-1.8	28.8	66	0.00
5/7/2010 9:00	-2	1.4	3.1	17	0.2	32.4	61	0.00
5/7/2010 10:00	9	1.7	3.8	114	2.8	37.0	48	0.00
5/7/2010 11:00	6	1.7	3.8	164	4.3	39.7	39	0.00
5/7/2010 12:00	24	1.7	3.8	226	5.1	41.2	35	0.00
5/7/2010 13:00	5	2.0	4.5	175	6.9	44.4	28	0.00

Date & Time Mountain Standard Time (data for hour ending)	TSP Hourly (µg/m3)	Wind Speed Hourly (meters per second)	Wind Speed Hourly (miles per hour)	Wind Direction Hourly (degrees true)	Air Temperature Hourly (Celsius)	Air Temperature Hourly (Fahrenheit)	Relative Humidity Hourly (percent)	Precipitation Hourly (inches)
5/7/2010 14:00	10	2.1	4.7	157	7.6	45.7	27	0.00
5/7/2010 15:00	12	2.2	4.9	205	7.9	46.2	26	0.00
5/7/2010 16:00	0	1.6	3.6	262	7.9	46.2	20	0.00
5/7/2010 17:00	12	2.5	5.6	141	8.3	46.9	24	0.00
5/7/2010 18:00	12	3.8	8.5	120	6.5	43.7	36	0.00
5/7/2010 19:00	10	2.9	6.5	132	5.7	42.3	37	0.00
5/7/2010 20:00	15	2.3	5.1	131	4.3	39.7	43	0.00
5/7/2010 21:00	13	1.3	2.9	190	1.4	34.5	52	0.00
5/7/2010 22:00	13	0.9	2.0	200	0.1	32.2	57	0.00
5/7/2010 23:00	13	1.0	2.2	226	-1.9	28.6	64	0.00
5/8/2010 0:00	7	1.4	3.1	237	-3.2	26.2	68	0.00
5/8/2010 1:00	1	0.8	1.8	223	-4.9	23.2	73	0.00
5/8/2010 2:00	31	0.5	1.1	214	-6.0	21.2	77	0.00
5/8/2010 3:00	5	1.0	2.2	215	-6.6	20.1	76	0.00
5/8/2010 4:00	4	1.2	2.7	212	-5.1	22.8	70	0.00
5/8/2010 5:00	17	1.0	2.2	223	-6.1	21.0	72	0.00
5/8/2010 6:00	-5	1.4	3.1	231	-6.4	20.5	71	0.00
5/8/2010 7:00	7	1.7	3.8	202	-1.2	29.8	55	0.00
5/8/2010 8:00	7	2.4	5.4	182	2.6	36.7	45	0.00
5/8/2010 9:00	15	4.2	9.4	139	6.0	42.8	35	0.00
5/8/2010 10:00	10	4.6	10.3	137	7.9	46.2	30	0.00
5/8/2010 11:00	14	4.0	8.9	149	8.4	47.1	28	0.00
5/8/2010 12:00	2	3.6	8.1	250	8.2	46.8	34	0.00
5/8/2010 13:00	21	4.1	9.2	250	7.8	46.0	40	0.00
5/8/2010 14:00	7	2.8	6.3	267	8.2	46.8	42	0.00
5/8/2010 15:00	9	2.1	4.7	1	8.5	47.3	39	0.00
5/8/2010 16:00	6	1.7	3.8	30	8.0	46.4	42	0.00
5/8/2010 17:00	31	2.3	5.1	83	7.9	46.2	48	0.00
5/8/2010 18:00	15	2.2	4.9	156	8.0	46.4	48	0.00
5/8/2010 19:00	13	3.8	8.5	273	5.6	42.1	66	0.00
5/8/2010 20:00	13	2.1	4.7	282	4.8	40.6	70	0.00
5/8/2010 21:00	-1	1.1	2.5	336	3.9	39.0	77	0.00
5/8/2010 22:00	-5	2.1	4.7	342	3.0	37.4	81	0.00
5/8/2010 23:00	20	2.8	6.3	8	1.7	35.1	85	0.00
5/9/2010 0:00	2	1.4	3.1	269	0.6	33.1	87	0.00
5/9/2010 1:00	-1	1.1	2.5	193	-0.5	31.1	89	0.00
5/9/2010 2:00	28	0.8	1.8	199	-1.2	29.8	90	0.00
5/9/2010 3:00	5	0.6	1.3	230	-1.3	29.7	91	0.00
5/9/2010 4:00	13	0.7	1.6	217	-1.4	29.5	90	0.00
5/9/2010 5:00	-5	0.7	1.6	215	-3.0	26.6	90	0.00
5/9/2010 6:00	-2	1.0	2.2	207	-3.2	26.2	87	0.00
5/9/2010 7:00	19	0.8	1.8	196	0.2	32.4	73	0.00
5/9/2010 8:00	1	1.2	2.7	63	3.7	38.7	61	0.00
5/9/2010 9:00	-3	1.6	3.6	16	4.8	40.6	55	0.00
5/9/2010 10:00	5	2.3	5.1	44	6.0	42.8	49	0.00
5/9/2010 11:00	4	1.9	4.3	57	6.9	44.4	43	0.00
5/9/2010 12:00	3	2.4	5.4	35	7.4	45.3	42	0.00
5/9/2010 13:00	5	2.4	5.4	359	8.5	47.3	37	0.00
5/9/2010 14:00	-4	2.2	4.9	25	9.4	48.9	32	0.00
5/9/2010 15:00	9	2.1	4.7	326	10.5	50.9	29	0.00
5/9/2010 16:00	2	2.1	4.7	328	11.4	52.5	25	0.00
5/9/2010 17:00	-1	2.8	6.3	304	11.4	52.5	23	0.00
5/9/2010 18:00	-1	3.0	6.7	302	11.6	52.9	22	0.00
5/9/2010 19:00	20	3.6	8.1	328	10.1	50.2	26	0.00
5/9/2010 20:00	5	4.2	9.4	28	7.5	45.5	39	0.00
5/9/2010 21:00	5	2.9	6.5	21	5.7	42.3	46	0.00
5/9/2010 22:00	17	1.4	3.1	276	2.2	36.0	58	0.00
5/9/2010 23:00	18	1.1	2.5	231	0.5	32.9	65	0.00
5/10/2010 0:00	0	1.3	2.9	217	-1.8	28.8	71	0.00
5/10/2010 1:00	19	0.9	2.0	211	-2.0	28.4	72	0.00
5/10/2010 2:00	-5	0.7	1.6	208	-3.5	25.7	77	0.00
5/10/2010 3:00	1	0.7	1.6	231	-2.9	26.8	76	0.00
5/10/2010 4:00	20	0.6	1.3	197	-3.7	25.3	78	0.00
5/10/2010 5:00	9	0.5	1.1	239	-4.5	23.9	81	0.00
5/10/2010 6:00	21	0.7	1.6	209	-4.2	24.4	79	0.00
5/10/2010 7:00	5	0.9	2.0	196	-0.9	30.4	65	0.00
5/10/2010 8:00	4	0.8	1.8	218	3.1	37.6	53	0.00
5/10/2010 9:00	7	1.2	2.7	44	6.0	42.8	44	0.00
5/10/2010 10:00	17	1.7	3.8	14	7.9	46.2	39	0.00
5/10/2010 11:00	13	1.8	4.0	43	10.0	50.0	35	0.00
5/10/2010 12:00	20	2.8	6.3	35	11.7	53.1	32	0.00
5/10/2010 13:00	9	2.9	6.5	46	12.5	54.5	30	0.00
5/10/2010 14:00	14	3.0	6.7	36	13.3	55.9	29	0.00
5/10/2010 15:00	22	2.7	6.0	27	13.2	55.8	28	0.00
5/10/2010 16:00	46	4.7	10.5	343	12.0	53.6	39	0.00
5/10/2010 17:00	15	4.1	9.2	319	10.5	50.9	45	0.00
5/10/2010 18:00	26	3.8	8.5	311	9.0	48.2	54	0.00
5/10/2010 19:00	18	1.9	4.3	211	8.6	47.5	55	0.00
5/10/2010 20:00	19	3.6	8.1	162	7.0	44.6	65	0.00
5/10/2010 21:00	3	2.5	5.6	163	5.6	42.1	74	0.00
5/10/2010 22:00	16	1.0	2.2	254	4.6	40.3	79	0.00

Date & Time Mountain Standard Time (data for hour ending)	TSP Hourly (µg/m3)	Wind Speed Hourly (meters per second)	Wind Speed Hourly (miles per hour)	Wind Direction Hourly (degrees true)	Air Temperature Hourly (Celsius)	Air Temperature Hourly (Fahrenheit)	Relative Humidity Hourly (percent)	Precipitation Hourly (inches)
5/10/2010 23:00	-5	0.7	1.6	193	4.3	39.7	81	0.00
5/11/2010 0:00	-3	2.4	5.4	337	4.1	39.4	81	0.00
5/11/2010 1:00	8	4.9	11.0	9	4.0	39.2	75	0.00
5/11/2010 2:00	-1	5.7	12.8	5	3.7	38.7	74	0.00
5/11/2010 3:00	1	6.0	13.4	2	3.4	38.1	74	0.00
5/11/2010 4:00	4	6.0	13.4	3	3.2	37.8	75	0.00
5/11/2010 5:00	-1	6.0	13.4	6	3.1	37.6	75	0.00
5/11/2010 6:00	-2	5.6	12.5	7	3.1	37.6	75	0.00
5/11/2010 7:00	14	5.6	12.5	8	3.2	37.8	74	0.00
5/11/2010 8:00	14	6.2	13.9	6	3.8	38.8	71	0.00
5/11/2010 9:00	258	7.3	16.3	13	5.0	41.0	65	0.00
5/11/2010 10:00	157	7.5	16.8	11	5.2	41.4	62	0.00
5/11/2010 11:00	112	7.5	16.8	11	5.7	42.3	60	0.00
5/11/2010 12:00	82	6.8	15.2	12	7.6	45.7	54	0.00
5/11/2010 13:00	70	6.9	15.4	11	8.3	46.9	50	0.00
5/11/2010 14:00	159	7.3	16.3	10	8.8	47.8	48	0.00
5/11/2010 15:00	179	7.9	17.7	11	9.0	48.2	47	0.00
5/11/2010 16:00	92	7.2	16.1	19	8.2	46.8	48	0.00
5/11/2010 17:00	25	6.5	14.5	18	7.8	46.0	50	0.00
5/11/2010 18:00	16	6.2	13.9	14	6.8	44.2	54	0.00
5/11/2010 19:00	9	5.1	11.4	8	6.2	43.2	57	0.00
5/11/2010 20:00	11	4.6	10.3	11	5.8	42.4	58	0.00
5/11/2010 21:00	14	4.2	9.4	8	5.3	41.5	59	0.00
5/11/2010 22:00	11	3.7	8.3	4	5.0	41.0	60	0.00
5/11/2010 23:00	3	3.2	7.2	347	4.5	40.1	61	0.00
5/12/2010 0:00	11	1.8	4.0	312	4.1	39.4	63	0.00
5/12/2010 1:00	10	0.9	2.0	350	3.7	38.7	63	0.00
5/12/2010 2:00	8	0.4	0.9	283	2.6	36.7	68	0.00
5/12/2010 3:00	11	0.5	1.1	240	1.6	34.9	73	0.00
5/12/2010 4:00	14	0.5	1.1	307	0.7	33.3	75	0.00
5/12/2010 5:00	2	1.2	2.7	342	1.6	34.9	69	0.00
5/12/2010 6:00	10	0.7	1.6	312	1.5	34.7	69	0.00
5/12/2010 7:00	19	1.1	2.5	330	3.0	37.4	62	0.00
5/12/2010 8:00	15	2.8	6.3	26	5.3	41.5	55	0.00
5/12/2010 9:00	9	3.5	7.8	21	6.6	43.9	49	0.00
5/12/2010 10:00	18	3.6	8.1	11	7.1	44.8	45	0.00
5/12/2010 11:00	22	3.3	7.4	26	7.7	45.9	38	0.00
5/12/2010 12:00	13	2.8	6.3	40	8.2	46.8	35	0.00
5/12/2010 13:00	12	3.0	6.7	37	8.6	47.5	35	0.00
5/12/2010 14:00	7	2.7	6.0	59	9.2	48.6	35	0.00
5/12/2010 15:00	16	3.4	7.6	13	10.4	50.7	29	0.00
5/12/2010 16:00	16	4.4	9.8	13	10.9	51.6	28	0.00
5/12/2010 17:00	13	4.6	10.3	8	11.1	52.0	27	0.00
5/12/2010 18:00	15	4.7	10.5	10	10.6	51.1	28	0.00
5/12/2010 19:00	2	3.9	8.7	3	9.1	48.4	32	0.00
5/12/2010 20:00	21	2.3	5.1	355	7.0	44.6	39	0.00
5/12/2010 21:00	24	1.0	2.2	333	4.1	39.4	48	0.00
5/12/2010 22:00	41	0.9	2.0	236	1.6	34.9	56	0.00
5/12/2010 23:00	27	0.7	1.6	212	-1.9	28.6	68	0.00
5/13/2010 0:00	4	0.9	2.0	225	-2.7	27.1	73	0.00
5/13/2010 1:00	11	0.9	2.0	203	-2.2	28.0	72	0.00
5/13/2010 2:00	18	1.0	2.2	195	-3.4	25.9	73	0.00
5/13/2010 3:00	9	1.2	2.7	182	-3.9	25.0	74	0.00
5/13/2010 4:00	3	1.3	2.9	181	-4.2	24.4	75	0.00
5/13/2010 5:00	9	0.8	1.8	187	-4.1	24.6	76	0.00
5/13/2010 6:00	11	1.3	2.9	178	-3.1	26.4	71	0.00
5/13/2010 7:00	3	2.0	4.5	170	0.5	32.9	60	0.00
5/13/2010 8:00	2	2.8	6.3	166	4.5	40.1	50	0.00
5/13/2010 9:00	26	2.9	6.5	158	7.8	46.0	39	0.00
5/13/2010 10:00	36	2.1	4.7	124	10.7	51.3	30	0.00
5/13/2010 11:00	19	2.0	4.5	55	12.1	53.8	27	0.00
5/13/2010 12:00	25	3.1	6.9	58	13.2	55.8	27	0.00
5/13/2010 13:00	25	3.5	7.8	55	13.9	57.0	27	0.00
5/13/2010 14:00	119	3.1	6.9	42	15.1	59.2	23	0.00
5/13/2010 15:00	23	2.2	4.9	37	15.2	59.4	20	0.00
5/13/2010 16:00	17	3.2	7.2	2	15.4	59.7	19	0.00
5/13/2010 17:00	16	3.4	7.6	15	15.3	59.5	21	0.00
5/13/2010 18:00	14	3.0	6.7	39	14.5	58.1	23	0.00
5/13/2010 19:00	13	2.8	6.3	30	14.0	57.2	25	0.00
5/13/2010 20:00	16	1.3	2.9	335	11.9	53.4	32	0.00
5/13/2010 21:00	50	1.0	2.2	191	7.4	45.3	46	0.00
5/13/2010 22:00	17	1.0	2.2	191	4.5	40.1	55	0.00
5/13/2010 23:00	12	1.2	2.7	209	4.4	39.9	54	0.00
5/14/2010 0:00	16	1.4	3.1	197	3.9	39.0	55	0.00
5/14/2010 1:00	16	1.4	3.1	186	1.8	35.2	62	0.00
5/14/2010 2:00	21	1.2	2.7	188	0.5	32.9	67	0.00
5/14/2010 3:00	10	1.1	2.5	202	1.6	34.9	63	0.00
5/14/2010 4:00	16	1.3	2.9	181	0.9	33.6	65	0.00
5/14/2010 5:00	12	1.5	3.4	174	0.3	32.5	66	0.00
5/14/2010 6:00	11	1.4	3.1	197	0.8	33.4	64	0.00

Date & Time Mountain Standard Time (data for hour ending)	TSP Hourly (µg/m3)	Wind Speed Hourly (meters per second)	Wind Speed Hourly (miles per hour)	Wind Direction Hourly (degrees true)	Air Temperature Hourly (Celsius)	Air Temperature Hourly (Fahrenheit)	Relative Humidity Hourly (percent)	Precipitation Hourly (inches)
5/14/2010 7:00	15	2.4	5.4	163	3.7	38.7	55	0.00
5/14/2010 8:00	28	2.7	6.0	162	7.7	45.9	44	0.00
5/14/2010 9:00	36	2.9	6.5	154	11.1	52.0	37	0.00
5/14/2010 10:00	24	3.0	6.7	142	14.5	58.1	28	0.00
5/14/2010 11:00	26	2.3	5.1	179	16.0	60.8	23	0.00
5/14/2010 12:00	12	2.5	5.6	185	17.4	63.3	20	0.00
5/14/2010 13:00	9	2.5	5.6	182	18.5	65.3	17	0.00
5/14/2010 14:00	30	2.7	6.0	180	19.5	67.1	16	0.00
5/14/2010 15:00	22	2.3	5.1	214	20.5	68.9	14	0.00
5/14/2010 16:00	24	2.8	6.3	252	19.9	67.8	16	0.00
5/14/2010 17:00	15	2.4	5.4	274	19.2	66.6	16	0.00
5/14/2010 18:00	22	2.3	5.1	347	18.4	65.1	19	0.00
5/14/2010 19:00	63	3.4	7.6	4	17.6	63.7	23	0.00
5/14/2010 20:00	27	1.3	2.9	9	15.4	59.7	31	0.00
5/14/2010 21:00	36	0.9	2.0	260	11.0	51.8	42	0.00
5/14/2010 22:00	34	1.0	2.2	197	7.8	46.0	49	0.00
5/14/2010 23:00	10	1.4	3.1	233	7.6	45.7	49	0.00
5/15/2010 0:00	11	1.0	2.2	171	6.5	43.7	52	0.00
5/15/2010 1:00	17	0.9	2.0	204	4.5	40.1	61	0.00
5/15/2010 2:00	21	0.8	1.8	197	3.6	38.5	64	0.00
5/15/2010 3:00	13	1.2	2.7	183	3.3	37.9	64	0.00
5/15/2010 4:00	19	1.4	3.1	180	3.0	37.4	64	0.00
5/15/2010 5:00	17	1.0	2.2	184	1.6	34.9	68	0.00
5/15/2010 6:00	11	1.2	2.7	172	2.4	36.3	66	0.00
5/15/2010 7:00	6	1.7	3.8	168	5.7	42.3	58	0.00
5/15/2010 8:00	21	1.5	3.4	167	10.6	51.1	44	0.00
5/15/2010 9:00	24	1.2	2.7	180	13.7	56.7	35	0.00
5/15/2010 10:00	8	1.3	2.9	268	16.1	61.0	28	0.00
5/15/2010 11:00	31	2.2	4.9	298	17.5	63.5	24	0.00
5/15/2010 12:00	9	2.5	5.6	38	18.1	64.6	24	0.00
5/15/2010 13:00	31	3.3	7.4	280	18.1	64.6	23	0.00
5/15/2010 14:00	27	1.6	3.6	332	18.4	65.1	20	0.00
5/15/2010 15:00	82	3.9	8.7	335	17.3	63.1	31	0.00
5/15/2010 16:00	6	2.5	5.6	307	17.1	62.8	28	0.00
5/15/2010 17:00	10	2.3	5.1	29	17.6	63.7	26	0.00
5/15/2010 18:00	25	3.2	7.2	328	16.4	61.5	32	0.00
5/15/2010 19:00	13	2.9	6.5	304	15.4	59.7	37	0.00
5/15/2010 20:00	18	2.9	6.5	358	14.7	58.5	39	0.00
5/15/2010 21:00	24	1.2	2.7	290	11.9	53.4	49	0.00
5/15/2010 22:00	23	1.0	2.2	182	7.8	46.0	61	0.00
5/15/2010 23:00	15	1.0	2.2	209	6.5	43.7	65	0.00
5/16/2010 0:00	23	1.0	2.2	200	4.5	40.1	70	0.00
5/16/2010 1:00	10	0.9	2.0	215	3.2	37.8	74	0.00
5/16/2010 2:00	5	1.3	2.9	226	4.0	39.2	72	0.00
5/16/2010 3:00	18	1.3	2.9	187	4.1	39.4	72	0.00
5/16/2010 4:00	-5	1.2	2.7	217	3.8	38.8	72	0.00
5/16/2010 5:00	12	1.4	3.1	213	3.4	38.1	74	0.00
5/16/2010 6:00	25	2.1	4.7	178	4.1	39.4	71	0.00
5/16/2010 7:00	7	1.9	4.3	178	6.5	43.7	61	0.00
5/16/2010 8:00	11	2.6	5.8	164	10.1	50.2	51	0.00
5/16/2010 9:00	24	2.6	5.8	162	13.5	56.3	44	0.00
5/16/2010 10:00	15	1.7	3.8	175	17.6	63.7	31	0.00
5/16/2010 11:00	11	1.9	4.3	218	19.8	67.6	23	0.00
5/16/2010 12:00	23	2.4	5.4	145	21.3	70.3	20	0.00
5/16/2010 13:00	12	2.3	5.1	167	22.2	72.0	14	0.00
5/16/2010 14:00	37	2.6	5.8	173	22.3	72.1	16	0.00
5/16/2010 15:00	9	2.5	5.6	154	22.4	72.3	16	0.00
5/16/2010 16:00	10	1.4	3.1	153	21.8	71.2	17	0.00
5/16/2010 17:00	11	1.3	2.9	107	21.4	70.5	19	0.00
5/16/2010 18:00	1	2.1	4.7	245	21.3	70.3	19	0.00
5/16/2010 19:00	45	1.4	3.1	231	20.4	68.7	21	0.00
5/16/2010 20:00	25	0.6	1.3	228	18.2	64.8	27	0.00
5/16/2010 21:00	22	1.3	2.9	158	14.9	58.8	38	0.00
5/16/2010 22:00	10	1.0	2.2	232	13.8	56.8	38	0.00
5/16/2010 23:00	15	1.6	3.6	239	11.4	52.5	45	0.00
5/17/2010 0:00	11	1.3	2.9	232	10.1	50.2	48	0.00
5/17/2010 1:00	13	1.5	3.4	240	9.0	48.2	51	0.00
5/17/2010 2:00	14	1.2	2.7	237	8.6	47.5	51	0.00
5/17/2010 3:00	13	1.7	3.8	238	9.0	48.2	50	0.00
5/17/2010 4:00	6	1.0	2.2	222	8.7	47.7	50	0.00
5/17/2010 5:00	24	1.7	3.8	198	7.7	45.9	54	0.00
5/17/2010 6:00	13	1.9	4.3	201	7.6	45.7	53	0.00
5/17/2010 7:00	15	2.1	4.7	185	10.2	50.4	45	0.00
5/17/2010 8:00	31	2.5	5.6	183	13.3	55.9	39	0.00
5/17/2010 9:00	50	2.7	6.0	166	17.8	64.0	31	0.00
5/17/2010 10:00	39	4.6	10.3	131	20.6	69.1	24	0.00
5/17/2010 11:00	26	4.9	11.0	127	22.0	71.6	20	0.00
5/17/2010 12:00	17	4.4	9.8	138	23.3	73.9	17	0.00
5/17/2010 13:00	20	3.3	7.4	127	23.6	74.5	18	0.00
5/17/2010 14:00	47	2.3	5.1	243	22.1	71.8	23	0.00
5/17/2010 15:00	47	4.3	9.6	242	21.1	70.0	28	0.00

Date & Time Mountain Standard Time (data for hour ending)	TSP Hourly (µg/m3)	Wind Speed Hourly (meters per second)	Wind Speed Hourly (miles per hour)	Wind Direction Hourly (degrees true)	Air Temperature Hourly (Celsius)	Air Temperature Hourly (Fahrenheit)	Relative Humidity Hourly (percent)	Precipitation Hourly (inches)
5/17/2010 16:00	46	3.8	8.5	229	20.9	69.6	29	0.00
5/17/2010 17:00	25	2.2	4.9	248	19.7	67.5	34	0.00
5/17/2010 18:00	17	0.9	2.0	359	20.8	69.4	28	0.00
5/17/2010 19:00	19	0.8	1.8	307	20.1	68.2	31	0.00
5/17/2010 20:00	49	0.8	1.8	210	17.1	62.8	43	0.00
5/17/2010 21:00	37	0.9	2.0	228	13.6	56.5	54	0.00
5/17/2010 22:00	34	0.9	2.0	215	12.0	53.6	58	0.00
5/17/2010 23:00	27	1.1	2.5	230	10.1	50.2	62	0.00
5/18/2010 0:00	13	1.3	2.9	243	10.6	51.1	56	0.00
5/18/2010 1:00	14	1.1	2.5	227	11.1	52.0	54	0.00
5/18/2010 2:00	22	1.3	2.9	225	12.5	54.5	48	0.00
5/18/2010 3:00	25	0.9	2.0	185	12.6	54.7	48	0.00
5/18/2010 4:00	16	1.4	3.1	175	11.6	52.9	52	0.00
5/18/2010 5:00	31	1.6	3.6	195	13.3	55.9	51	0.00
5/18/2010 6:00	17	1.9	4.3	169	12.7	54.9	53	0.00
5/18/2010 7:00	5	1.0	2.2	182	12.6	54.7	55	0.00
5/18/2010 8:00	41	1.7	3.8	180	16.5	61.7	43	0.00
5/18/2010 9:00	43	2.5	5.6	228	16.7	62.1	43	0.00
5/18/2010 10:00	18	2.5	5.6	225	17.8	64.0	41	0.00
5/18/2010 11:00	48	2.0	4.5	210	19.2	66.6	35	0.00
5/18/2010 12:00	22	1.7	3.8	169	20.7	69.3	29	0.00
5/18/2010 13:00	81	4.6	10.3	226	17.8	64.0	40	0.02
5/18/2010 14:00	33	3.3	7.4	300	17.8	64.0	41	0.01
5/18/2010 15:00	39	4.2	9.4	224	15.3	59.5	54	0.01
5/18/2010 16:00	12	4.0	8.9	288	17.3	63.1	45	0.00
5/18/2010 17:00	15	2.7	6.0	5	17.2	63.0	45	0.00
5/18/2010 18:00	18	2.6	5.8	118	14.9	58.8	58	0.00
5/18/2010 19:00	13	1.9	4.3	196	12.7	54.9	67	0.00
5/18/2010 20:00	7	3.3	7.4	239	12.6	54.7	64	0.00
5/18/2010 21:00	-5	3.3	7.4	291	11.6	52.9	65	0.00
5/18/2010 22:00	3	1.9	4.3	357	10.1	50.2	83	0.06
5/18/2010 23:00	9	2.2	4.9	357	9.1	48.4	84	0.03
5/19/2010 0:00	-2	2.2	4.9	336	8.9	48.0	82	0.00
5/19/2010 1:00	-5	1.3	2.9	316	8.5	47.3	81	0.00
5/19/2010 2:00	0	2.5	5.6	348	8.4	47.1	83	0.00
5/19/2010 3:00	10	2.0	4.5	343	8.0	46.4	84	0.00
5/19/2010 4:00	-2	2.1	4.7	332	7.8	46.0	82	0.00
5/19/2010 5:00	14	1.8	4.0	335	7.5	45.5	80	0.00
5/19/2010 6:00	13	1.7	3.8	329	7.3	45.1	77	0.00
5/19/2010 7:00	10	2.0	4.5	327	7.6	45.7	74	0.00
5/19/2010 8:00	5	3.4	7.6	277	8.6	47.5	67	0.00
5/19/2010 9:00	18	3.5	7.8	286	9.7	49.5	62	0.00
5/19/2010 10:00	3	2.9	6.5	304	11.2	52.2	54	0.00
5/19/2010 11:00	30	2.6	5.8	306	12.2	54.0	51	0.00
5/19/2010 12:00	2	1.9	4.3	271	13.4	56.1	45	0.00
5/19/2010 13:00	11	1.9	4.3	235	14.8	58.6	42	0.00
5/19/2010 14:00	26	1.8	4.0	259	15.9	60.6	39	0.00
5/19/2010 15:00	38	1.9	4.3	115	16.9	62.4	37	0.00
5/19/2010 16:00	12	1.9	4.3	169	17.5	63.5	36	0.00
5/19/2010 17:00	5	2.3	5.1	152	17.5	63.5	36	0.00
5/19/2010 18:00	5	2.7	6.0	159	18.2	64.8	34	0.00
5/19/2010 19:00	8	2.9	6.5	136	17.6	63.7	38	0.00
5/19/2010 20:00	14	2.0	4.5	164	15.6	60.1	47	0.00
5/19/2010 21:00	16	0.8	1.8	203	13.5	56.3	54	0.00
5/19/2010 22:00	7	0.8	1.8	288	12.1	53.8	59	0.00
5/19/2010 23:00	2	1.6	3.6	201	12.7	54.9	58	0.00
5/20/2010 0:00	-4	1.7	3.8	183	12.0	53.6	60	0.00
5/20/2010 1:00	13	3.2	7.2	161	11.0	51.8	62	0.00
5/20/2010 2:00	9	1.8	4.0	178	9.5	49.1	64	0.00
5/20/2010 3:00	13	1.2	2.7	179	8.2	46.8	65	0.00
5/20/2010 4:00	-5	1.5	3.4	238	8.1	46.6	64	0.00
5/20/2010 5:00	3	3.1	6.9	277	9.3	48.7	61	0.00
5/20/2010 6:00	65	4.9	11.0	358	7.1	44.8	70	0.00
5/20/2010 7:00	1	3.5	7.8	358	3.2	37.8	81	0.07
5/20/2010 8:00	-5	3.0	6.7	12	1.9	35.4	85	0.05
5/20/2010 9:00	2	2.7	6.0	13	1.4	34.5	87	0.04
5/20/2010 10:00	14	3.7	8.3	26	3.5	38.3	83	0.00
5/20/2010 11:00	1	4.1	9.2	39	5.2	41.4	77	0.00
5/20/2010 12:00	1	3.0	6.7	23	5.9	42.6	68	0.00
5/20/2010 13:00	13	3.0	6.7	352	6.5	43.7	60	0.00
5/20/2010 14:00	23	5.0	11.2	288	7.7	45.9	52	0.00
5/20/2010 15:00	13	5.6	12.5	282	6.4	43.5	55	0.00
5/20/2010 16:00	5	4.2	9.4	287	7.3	45.1	46	0.00
5/20/2010 17:00	9	4.1	9.2	282	7.3	45.1	44	0.00
5/20/2010 18:00	0	4.2	9.4	259	6.0	42.8	52	0.00
5/20/2010 19:00	12	3.8	8.5	272	5.9	42.6	51	0.00
5/20/2010 20:00	12	1.4	3.1	1	4.8	40.6	57	0.00
5/20/2010 21:00	0	1.2	2.7	218	3.6	38.5	61	0.00
5/20/2010 22:00	-2	2.0	4.5	240	2.9	37.2	59	0.00
5/20/2010 23:00	7	1.8	4.0	267	1.7	35.1	66	0.00
5/21/2010 0:00	9	1.6	3.6	256	1.1	34.0	69	0.00

Date & Time Mountain Standard Time (data for hour ending)	TSP Hourly (µg/m3)	Wind Speed Hourly (meters per second)	Wind Speed Hourly (miles per hour)	Wind Direction Hourly (degrees true)	Air Temperature Hourly (Celsius)	Air Temperature Hourly (Fahrenheit)	Relative Humidity Hourly (percent)	Precipitation Hourly (inches)
5/21/2010 1:00	-5	2.1	4.7	251	1.2	34.2	66	0.00
5/21/2010 2:00	-1	2.1	4.7	267	1.0	33.8	65	0.00
5/21/2010 3:00	1	1.1	2.5	223	0.2	32.4	69	0.00
5/21/2010 4:00	1	0.8	1.8	205	-0.8	30.6	74	0.00
5/21/2010 5:00	3	0.7	1.6	177	-1.9	28.6	78	0.00
5/21/2010 6:00	23	1.1	2.5	188	-1.7	28.9	76	0.00
5/21/2010 7:00	-2	1.2	2.7	168	0.0	32.0	72	0.00
5/21/2010 8:00	7	1.4	3.1	139	3.7	38.7	57	0.00
5/21/2010 9:00	-3	1.6	3.6	140	6.3	43.3	44	0.00
5/21/2010 10:00	1	2.6	5.8	186	7.6	45.7	37	0.00
5/21/2010 11:00	7	2.9	6.5	229	9.0	48.2	33	0.00
5/21/2010 12:00	9	4.1	9.2	241	10.3	50.5	28	0.00
5/21/2010 13:00	5	4.9	11.0	245	11.1	52.0	26	0.00
5/21/2010 14:00	9	4.2	9.4	249	11.4	52.5	25	0.00
5/21/2010 15:00	-1	3.0	6.7	246	11.5	52.7	24	0.00
5/21/2010 16:00	13	1.9	4.3	125	11.3	52.3	26	0.00
5/21/2010 17:00	9	3.3	7.4	250	9.0	48.2	40	0.00
5/21/2010 18:00	8	1.8	4.0	340	8.2	46.8	49	0.00
5/21/2010 19:00	20	1.9	4.3	277	6.8	44.2	58	0.00
5/21/2010 20:00	5	1.1	2.5	158	4.1	39.4	82	0.02
5/21/2010 21:00	-5	0.6	1.3	286	2.7	36.9	88	0.00
5/21/2010 22:00	20	0.9	2.0	225	3.0	37.4	88	0.02
5/21/2010 23:00	-5	1.7	3.8	323	2.6	36.7	84	0.00
5/22/2010 0:00	9	1.4	3.1	14	2.4	36.3	86	0.00
5/22/2010 1:00	-4	1.8	4.0	22	2.2	36.0	86	0.00
5/22/2010 2:00	6	1.4	3.1	337	1.9	35.4	85	0.00
5/22/2010 3:00	2	2.1	4.7	1	1.7	35.1	86	0.00
5/22/2010 4:00	-2	2.2	4.9	13	1.7	35.1	84	0.00
5/22/2010 5:00	-5	1.9	4.3	7	1.6	34.9	84	0.00
5/22/2010 6:00	9	1.9	4.3	1	1.6	34.9	83	0.00
5/22/2010 7:00	5	1.6	3.6	6	1.9	35.4	79	0.00
5/22/2010 8:00	-5	2.2	4.9	4	2.4	36.3	78	0.00
5/22/2010 9:00	11	2.3	5.1	14	2.9	37.2	74	0.00
5/22/2010 10:00	1	1.8	4.0	353	3.7	38.7	65	0.00
5/22/2010 11:00	10	2.9	6.5	346	5.4	41.7	55	0.00
5/22/2010 12:00	-5	2.1	4.7	311	4.4	39.9	64	0.00
5/22/2010 13:00	8	1.7	3.8	283	5.9	42.6	55	0.00
5/22/2010 14:00	6	2.1	4.7	2	6.7	44.1	49	0.00
5/22/2010 15:00	6	3.4	7.6	274	5.6	42.1	61	0.00
5/22/2010 16:00	1	2.5	5.6	253	6.9	44.4	50	0.00
5/22/2010 17:00	28	3.2	7.2	304	5.8	42.4	58	0.00
5/22/2010 18:00	-5	2.7	6.0	178	3.7	38.7	74	0.00
5/22/2010 19:00	6	3.2	7.2	139	2.2	36.0	85	0.00
5/22/2010 20:00	2	1.6	3.6	151	0.8	33.4	89	0.08
5/22/2010 21:00	-3	0.7	1.6	221	0.2	32.4	90	0.04
5/22/2010 22:00	2	0.7	1.6	233	0.5	32.9	90	0.01
5/22/2010 23:00	9	0.4	0.9	263	0.3	32.5	90	0.02
5/23/2010 0:00	-2	AO	AO	AO	0.0	32.0	90	0.08
5/23/2010 1:00	-3	AO	AO	AO	-0.1	31.8	91	0.01
5/23/2010 2:00	12	AO	AO	AO	-0.1	31.8	90	0.03
5/23/2010 3:00	-5	AO	AO	AO	-0.1	31.8	91	0.08
5/23/2010 4:00	2	AO	AO	AO	-0.1	31.8	91	0.01
5/23/2010 5:00	15	AO	AO	AO	-0.4	31.3	91	0.00
5/23/2010 6:00	AO	AO	AO	AO	-1.4	29.5	91	0.00
5/23/2010 7:00	25	AO	AO	AO	-2.6	27.3	90	0.00
5/23/2010 8:00	-4	AO	AO	AO	0.0	32.0	80	0.00
5/23/2010 9:00	-1	1.6	3.6	181	2.7	36.9	67	0.00
5/23/2010 10:00	7	2.3	5.1	162	4.2	39.6	65	0.00
5/23/2010 11:00	-4	2.9	6.5	146	4.0	39.2	65	0.00
5/23/2010 12:00	-5	3.4	7.6	148	4.7	40.5	63	0.00
5/23/2010 13:00	11	3.6	8.1	153	6.6	43.9	57	0.00
5/23/2010 14:00	-5	3.4	7.6	140	7.5	45.5	52	0.00
5/23/2010 15:00	5	3.2	7.2	156	8.9	48.0	42	0.00
5/23/2010 16:00	3	2.5	5.6	203	9.1	48.4	43	0.00
5/23/2010 17:00	-3	1.5	3.4	132	10.3	50.5	33	0.00
5/23/2010 18:00	-2	2.0	4.5	18	9.1	48.4	45	0.00
5/23/2010 19:00	3	1.8	4.0	2	9.4	48.9	42	0.00
5/23/2010 20:00	2	2.0	4.5	357	8.3	46.9	45	0.00
5/23/2010 21:00	-2	1.2	2.7	330	6.9	44.4	54	0.00
5/23/2010 22:00	6	1.0	2.2	0	6.2	43.2	56	0.00
5/23/2010 23:00	1	0.8	1.8	310	5.6	42.1	61	0.00
5/24/2010 0:00	0	1.8	4.0	125	4.8	40.6	68	0.00
5/24/2010 1:00	7	0.9	2.0	201	3.9	39.0	75	0.00
5/24/2010 2:00	-5	2.2	4.9	347	3.3	37.9	77	0.00
5/24/2010 3:00	4	1.3	2.9	277	2.5	36.5	84	0.00
5/24/2010 4:00	8	1.2	2.7	325	2.6	36.7	85	0.00
5/24/2010 5:00	10	0.8	1.8	350	2.9	37.2	84	0.00
5/24/2010 6:00	0	0.5	1.1	271	2.9	37.2	85	0.00
5/24/2010 7:00	4	1.5	3.4	13	2.9	37.2	85	0.02
5/24/2010 8:00	-5	2.7	6.0	4	3.1	37.6	86	0.02

Date & Time Mountain Standard Time (data for hour ending)	TSP Hourly (µg/m3)	Wind Speed Hourly (meters per second)	Wind Speed Hourly (miles per hour)	Wind Direction Hourly (degrees true)	Air Temperature Hourly (Celsius)	Air Temperature Hourly (Fahrenheit)	Relative Humidity Hourly (percent)	Precipitation Hourly (inches)
5/24/2010 9:00	-5	4.0	8.9	13	3.3	37.9	84	0.03
5/24/2010 10:00	0	4.1	9.2	8	3.3	37.9	84	0.03
5/24/2010 11:00	-2	4.1	9.2	8	3.4	38.1	84	0.03
5/24/2010 12:00	-3	4.2	9.4	7	3.7	38.7	82	0.01
5/24/2010 13:00	12	3.7	8.3	2	4.3	39.7	79	0.00
5/24/2010 14:00	-4	3.4	7.6	4	5.0	41.0	78	0.00
5/24/2010 15:00	-5	3.6	8.1	3	5.0	41.0	80	0.02
5/24/2010 16:00	9	4.2	9.4	5	5.4	41.7	80	0.01
5/24/2010 17:00	0	4.1	9.2	20	5.4	41.7	79	0.00
5/24/2010 18:00	-1	4.0	8.9	23	5.3	41.5	78	0.00
5/24/2010 19:00	0	3.8	8.5	23	4.9	40.8	78	0.00
5/24/2010 20:00	5	2.7	6.0	21	4.6	40.3	78	0.00
5/24/2010 21:00	-5	1.9	4.3	23	4.3	39.7	79	0.00
5/24/2010 22:00	10	1.3	2.9	36	3.8	38.8	82	0.00
5/24/2010 23:00	-5	0.8	1.8	48	3.8	38.8	82	0.00
5/25/2010 0:00	3	0.7	1.6	330	3.5	38.3	84	0.00
5/25/2010 1:00	-5	0.9	2.0	312	3.1	37.6	84	0.00
5/25/2010 2:00	9	1.0	2.2	307	2.9	37.2	85	0.00
5/25/2010 3:00	-5	0.9	2.0	322	2.7	36.9	87	0.00
5/25/2010 4:00	8	0.8	1.8	282	2.5	36.5	88	0.00
5/25/2010 5:00	4	1.1	2.5	227	2.7	36.9	83	0.00
5/25/2010 6:00	0	1.0	2.2	201	3.1	37.6	77	0.00
5/25/2010 7:00	5	1.0	2.2	205	3.6	38.5	76	0.00
5/25/2010 8:00	-4	1.7	3.8	169	6.0	42.8	67	0.00
5/25/2010 9:00	2	2.2	4.9	196	7.2	45.0	56	0.00
5/25/2010 10:00	0	2.5	5.6	224	7.9	46.2	50	0.00
5/25/2010 11:00	1	2.2	4.9	198	9.3	48.7	45	0.00
5/25/2010 12:00	6	2.5	5.6	186	11.0	51.8	42	0.00
5/25/2010 13:00	5	2.4	5.4	124	11.6	52.9	42	0.00
5/25/2010 14:00	2	2.7	6.0	139	12.5	54.5	39	0.00
5/25/2010 15:00	1	2.4	5.4	140	13.4	56.1	36	0.00
5/25/2010 16:00	1	2.4	5.4	128	13.4	56.1	36	0.00
5/25/2010 17:00	7	2.1	4.7	177	13.3	55.9	35	0.00
5/25/2010 18:00	3	3.1	6.9	156	13.2	55.8	37	0.00
5/25/2010 19:00	6	2.6	5.8	150	12.2	54.0	40	0.00
5/25/2010 20:00	6	1.0	2.2	177	10.8	51.4	44	0.00
5/25/2010 21:00	10	0.9	2.0	126	8.8	47.8	51	0.00
5/25/2010 22:00	16	1.3	2.9	131	8.0	46.4	55	0.00
5/25/2010 23:00	25	1.1	2.5	224	6.7	44.1	61	0.00
5/26/2010 0:00	0	1.4	3.1	257	5.4	41.7	66	0.00
5/26/2010 1:00	18	0.7	1.6	208	3.8	38.8	72	0.00
5/26/2010 2:00	6	0.6	1.3	228	1.0	33.8	81	0.00
5/26/2010 3:00	-5	0.7	1.6	233	-0.2	31.6	85	0.00
5/26/2010 4:00	33	0.7	1.6	213	-0.6	30.9	85	0.00
5/26/2010 5:00	-3	0.6	1.3	238	-0.9	30.4	86	0.00
5/26/2010 6:00	20	1.0	2.2	231	-0.4	31.3	82	0.00
5/26/2010 7:00	-5	0.8	1.8	118	4.9	40.8	65	0.00
5/26/2010 8:00	6	1.0	2.2	146	8.2	46.8	55	0.00
5/26/2010 9:00	12	1.0	2.2	103	10.7	51.3	47	0.00
5/26/2010 10:00	0	1.1	2.5	38	12.8	55.0	41	0.00
5/26/2010 11:00	10	1.2	2.7	49	13.6	56.5	40	0.00
5/26/2010 12:00	5	1.4	3.1	41	14.7	58.5	39	0.00
5/26/2010 13:00	16	1.8	4.0	9	16.1	61.0	37	0.00
5/26/2010 14:00	BA	2.3	5.1	127	16.2	61.2	37	0.00
5/26/2010 15:00	21	BA	BA	BA	16.6	61.9	37	0.00
5/26/2010 16:00	21	4.7	10.5	134	16.8	62.2	34	0.00
5/26/2010 17:00	16	4.8	10.7	134	16.4	61.5	36	0.00
5/26/2010 18:00	21	5.4	12.1	127	15.7	60.3	38	0.00
5/26/2010 19:00	25	5.8	13.0	130	14.8	58.6	41	0.00
5/26/2010 20:00	24	6.0	13.4	135	13.4	56.1	46	0.00
5/26/2010 21:00	9	4.2	9.4	144	12.0	53.6	52	0.00
5/26/2010 22:00	15	3.2	7.2	163	10.2	50.4	61	0.00
5/26/2010 23:00	2	3.1	6.9	148	9.6	49.3	65	0.00
5/27/2010 0:00	8	2.0	4.5	255	8.7	47.7	66	0.00
5/27/2010 1:00	2	1.4	3.1	248	6.7	44.1	74	0.00
5/27/2010 2:00	-4	0.7	1.6	224	4.7	40.5	80	0.00
5/27/2010 3:00	13	0.9	2.0	172	2.5	36.5	86	0.00
5/27/2010 4:00	1	0.8	1.8	205	3.3	37.9	84	0.00
5/27/2010 5:00	10	0.7	1.6	193	4.6	40.3	81	0.00
5/27/2010 6:00	14	0.7	1.6	173	5.4	41.7	80	0.00
5/27/2010 7:00	16	0.6	1.3	137	6.0	42.8	80	0.00
5/27/2010 8:00	10	0.9	2.0	152	7.2	45.0	80	0.00
5/27/2010 9:00	12	1.2	2.7	283	8.0	46.4	80	0.00
5/27/2010 10:00	-3	3.4	7.6	265	7.7	45.9	80	0.11
5/27/2010 11:00	-5	2.3	5.1	180	6.5	43.7	85	0.06
5/27/2010 12:00	24	1.6	3.6	176	9.9	49.8	75	0.00
5/27/2010 13:00	-3	2.5	5.6	69	11.2	52.2	75	0.00
5/27/2010 14:00	19	4.7	10.5	142	12.2	54.0	63	0.00
5/27/2010 15:00	-4	3.2	7.2	161	12.7	54.9	60	0.00
5/27/2010 16:00	7	5.3	11.9	138	13.4	56.1	53	0.00
5/27/2010 17:00	19	5.9	13.2	185	11.7	53.1	58	0.00

Date & Time Mountain Standard Time (data for hour ending)	TSP Hourly (µg/m3)	Wind Speed Hourly (meters per second)	Wind Speed Hourly (miles per hour)	Wind Direction Hourly (degrees true)	Air Temperature Hourly (Celsius)	Air Temperature Hourly (Fahrenheit)	Relative Humidity Hourly (percent)	Precipitation Hourly (inches)
5/27/2010 18:00	0	3.6	8.1	225	9.1	48.4	66	0.00
5/27/2010 19:00	8	1.9	4.3	190	11.3	52.3	58	0.00
5/27/2010 20:00	-5	1.4	3.1	278	9.7	49.5	66	0.00
5/27/2010 21:00	15	2.4	5.4	21	8.2	46.8	75	0.00
5/27/2010 22:00	9	1.9	4.3	4	7.4	45.3	80	0.00
5/27/2010 23:00	5	0.9	2.0	189	6.5	43.7	86	0.13
5/28/2010 0:00	-5	0.9	2.0	309	5.7	42.3	89	0.01
5/28/2010 1:00	26	1.3	2.9	257	5.7	42.3	90	0.00
5/28/2010 2:00	-5	1.1	2.5	150	5.6	42.1	88	0.00
5/28/2010 3:00	4	0.7	1.6	197	5.1	41.2	88	0.00
5/28/2010 4:00	-5	0.6	1.3	277	5.0	41.0	90	0.00
5/28/2010 5:00	-2	0.6	1.3	255	5.1	41.2	90	0.00
5/28/2010 6:00	9	0.5	1.1	14	5.1	41.2	90	0.00
5/28/2010 7:00	-5	1.2	2.7	326	5.6	42.1	90	0.02
5/28/2010 8:00	-5	2.4	5.4	22	5.0	41.0	88	0.05
5/28/2010 9:00	1	2.9	6.5	21	5.6	42.1	88	0.00
5/28/2010 10:00	1	2.6	5.8	5	5.2	41.4	88	0.11
5/28/2010 11:00	-3	3.2	7.2	25	4.7	40.5	88	0.11
5/28/2010 12:00	8	4.5	10.1	23	4.8	40.6	87	0.01
5/28/2010 13:00	-3	3.6	8.1	3	4.5	40.1	86	0.04
5/28/2010 14:00	-5	3.8	8.5	3	4.4	39.9	86	0.05
5/28/2010 15:00	-3	4.4	9.8	8	4.1	39.4	85	0.01
5/28/2010 16:00	5	4.0	8.9	3	4.1	39.4	84	0.02
5/28/2010 17:00	-5	4.2	9.4	0	4.0	39.2	84	0.01
5/28/2010 18:00	-5	4.4	9.8	1	3.7	38.7	84	0.01
5/28/2010 19:00	0	4.4	9.8	359	3.4	38.1	84	0.01
5/28/2010 20:00	-4	3.3	7.4	355	3.3	37.9	85	0.00
5/28/2010 21:00	6	2.1	4.7	348	2.8	37.0	87	0.00
5/28/2010 22:00	-1	2.3	5.1	23	2.7	36.9	86	0.00
5/28/2010 23:00	-5	1.1	2.5	327	2.5	36.5	87	0.00
5/29/2010 0:00	-5	1.1	2.5	338	2.5	36.5	88	0.00
5/29/2010 1:00	-1	1.1	2.5	323	2.4	36.3	88	0.00
5/29/2010 2:00	8	0.8	1.8	7	2.5	36.5	88	0.00
5/29/2010 3:00	-5	1.2	2.7	6	2.6	36.7	87	0.00
5/29/2010 4:00	6	1.4	3.1	8	2.6	36.7	87	0.00
5/29/2010 5:00	-5	1.4	3.1	20	2.4	36.3	89	0.00
5/29/2010 6:00	14	0.8	1.8	59	2.4	36.3	87	0.00
5/29/2010 7:00	4	0.4	0.9	327	2.9	37.2	84	0.00
5/29/2010 8:00	-5	0.8	1.8	146	4.1	39.4	79	0.00
5/29/2010 9:00	0	1.6	3.6	148	5.6	42.1	75	0.00
5/29/2010 10:00	2	1.8	4.0	16	7.2	45.0	69	0.00
5/29/2010 11:00	-2	3.5	7.8	294	7.9	46.2	63	0.00
5/29/2010 12:00	-2	3.7	8.3	286	8.6	47.5	58	0.00
5/29/2010 13:00	2	4.0	8.9	285	9.8	49.6	56	0.00
5/29/2010 14:00	11	3.4	7.6	301	9.5	49.1	58	0.00
5/29/2010 15:00	-2	3.0	6.7	315	10.2	50.4	55	0.00
5/29/2010 16:00	7	3.8	8.5	300	10.6	51.1	51	0.00
5/29/2010 17:00	-1	3.7	8.3	292	10.8	51.4	49	0.00
5/29/2010 18:00	1	3.9	8.7	280	11.7	53.1	44	0.00
5/29/2010 19:00	3	2.3	5.1	297	10.5	50.9	47	0.00
5/29/2010 20:00	-2	2.0	4.5	302	9.5	49.1	50	0.00
5/29/2010 21:00	7	1.0	2.2	310	7.2	45.0	60	0.00
5/29/2010 22:00	-1	1.6	3.6	260	6.4	43.5	61	0.00
5/29/2010 23:00	0	1.0	2.2	252	4.9	40.8	66	0.00
5/30/2010 0:00	-1	1.0	2.2	200	3.5	38.3	72	0.00
5/30/2010 1:00	11	1.3	2.9	177	3.3	37.9	74	0.00
5/30/2010 2:00	-3	1.4	3.1	183	3.6	38.5	73	0.00
5/30/2010 3:00	1	1.7	3.8	171	3.8	38.8	72	0.00
5/30/2010 4:00	7	1.9	4.3	182	5.0	41.0	67	0.00
5/30/2010 5:00	-1	1.5	3.4	163	4.1	39.4	71	0.00
5/30/2010 6:00	7	2.2	4.9	163	4.8	40.6	69	0.00
5/30/2010 7:00	-2	2.1	4.7	179	6.1	43.0	65	0.00
5/30/2010 8:00	-5	3.0	6.7	227	8.4	47.1	58	0.00
5/30/2010 9:00	4	3.6	8.1	230	8.7	47.7	57	0.00
5/30/2010 10:00	9	3.1	6.9	227	8.3	46.9	57	0.00
5/30/2010 11:00	5	2.8	6.3	242	10.0	50.0	50	0.00
5/30/2010 12:00	-5	3.0	6.7	257	11.4	52.5	41	0.00
5/30/2010 13:00	2	2.8	6.3	275	11.9	53.4	38	0.00
5/30/2010 14:00	7	2.9	6.5	286	12.8	55.0	38	0.00
5/30/2010 15:00	4	3.8	8.5	267	13.3	55.9	36	0.00
5/30/2010 16:00	1	2.7	6.0	255	14.1	57.4	35	0.00
5/30/2010 17:00	8	2.6	5.8	232	13.9	57.0	36	0.00
5/30/2010 18:00	11	3.5	7.8	270	15.1	59.2	27	0.00
5/30/2010 19:00	0	3.3	7.4	252	14.6	58.3	27	0.00
5/30/2010 20:00	8	1.3	2.9	276	12.9	55.2	33	0.00
5/30/2010 21:00	6	1.4	3.1	271	10.0	50.0	42	0.00
5/30/2010 22:00	7	0.8	1.8	220	7.8	46.0	53	0.00
5/30/2010 23:00	11	1.0	2.2	201	7.0	44.6	60	0.00
5/31/2010 0:00	-4	1.3	2.9	242	7.3	45.1	56	0.00
5/31/2010 1:00	0	2.3	5.1	254	8.9	48.0	51	0.00

Date & Time Mountain Standard Time (data for hour ending)	TSP Hourly (µg/m3)	Wind Speed Hourly (meters per second)	Wind Speed Hourly (miles per hour)	Wind Direction Hourly (degrees true)	Air Temperature Hourly (Celsius)	Air Temperature Hourly (Fahrenheit)	Relative Humidity Hourly (percent)	Precipitation Hourly (inches)
5/31/2010 2:00	4	2.1	4.7	251	8.7	47.7	55	0.00
5/31/2010 3:00	4	2.2	4.9	258	8.4	47.1	58	0.00
5/31/2010 4:00	3	1.1	2.5	232	7.3	45.1	63	0.00
5/31/2010 5:00	5	1.3	2.9	197	6.7	44.1	65	0.00
5/31/2010 6:00	-5	1.3	2.9	152	6.6	43.9	67	0.00
5/31/2010 7:00	9	1.7	3.8	158	8.6	47.5	61	0.00
5/31/2010 8:00	-5	1.8	4.0	178	10.6	51.1	53	0.00
5/31/2010 9:00	AN	AN	AN	AN	AN	AN	AN	0.00
5/31/2010 10:00	3	2.2	4.9	201	14.2	57.6	44	0.00
5/31/2010 11:00	10	3.0	6.7	228	14.8	58.6	43	0.00
5/31/2010 12:00	0	2.4	5.4	297	14.3	57.7	50	0.00
5/31/2010 13:00	10	4.2	9.4	239	12.4	54.3	60	0.00
5/31/2010 14:00	-5	3.2	7.2	228	14.2	57.6	54	0.00
5/31/2010 15:00	11	2.5	5.6	203	16.3	61.3	45	0.00
5/31/2010 16:00	11	2.2	4.9	215	17.2	63.0	41	0.00
5/31/2010 17:00	1	4.9	11.0	258	10.0	50.0	76	0.17
5/31/2010 18:00	13	1.3	2.9	204	9.7	49.5	79	0.03
5/31/2010 19:00	6	1.5	3.4	135	10.5	50.9	76	0.00
5/31/2010 20:00	0	1.5	3.4	187	10.0	50.0	77	0.00
5/31/2010 21:00	-5	1.7	3.8	162	8.9	48.0	84	0.02
5/31/2010 22:00	6	0.9	2.0	107	8.3	46.9	87	0.00
5/31/2010 23:00	-1	0.8	1.8	219	7.4	45.3	89	0.00
6/1/2010 0:00	3	0.7	1.6	226	6.8	44.2	89	0.00

AN = Machine malfunction

AO = Bad weather

BA = Routine maintenance / repairs

Table 6
Warm Springs Site Hourly Average Data
Met One E-BAM
May 2010

Date & Time Mountain Standard Time (data for hour ending)	PM10 Hourly (µg/m3)	Wind Speed Hourly (meters per second)	Wind Speed Hourly (miles per hour)	Wind Direction Hourly (degrees true)	Air Temperature Hourly (Celsius)	Air Temperature Hourly (Fahrenheit)	Relative Humidity Hourly (percent)
5/1/2010 1:00	3	3.6	8.1	252	3.5	38.3	64
5/1/2010 2:00	-5	3.2	7.2	245	2.6	36.7	68
5/1/2010 3:00	20	3.4	7.6	273	2.5	36.5	71
5/1/2010 4:00	1	1.3	2.9	299	2.1	35.8	71
5/1/2010 5:00	-5	0.9	2.0	285	0.5	32.9	76
5/1/2010 6:00	-5	1.2	2.7	289	1.6	34.9	76
5/1/2010 7:00	16	1.5	3.4	273	2.3	36.1	73
5/1/2010 8:00	-1	2.6	5.8	295	3.5	38.3	69
5/1/2010 9:00	2	2.9	6.5	293	4.9	40.8	58
5/1/2010 10:00	-1	4.5	10.1	275	7.0	44.6	45
5/1/2010 11:00	7	4.0	8.9	275	6.9	44.4	46
5/1/2010 12:00	15	3.9	8.7	273	7.6	45.7	44
5/1/2010 13:00	-5	3.3	7.4	336	6.5	43.7	49
5/1/2010 14:00	5	2.4	5.4	356	7.3	45.1	50
5/1/2010 15:00	9	2.5	5.6	358	6.8	44.2	54
5/1/2010 16:00	-5	1.9	4.3	35	5.3	41.5	64
5/1/2010 17:00	11	2.0	4.5	19	6.4	43.5	58
5/1/2010 18:00	8	1.9	4.3	31	5.4	41.7	60
5/1/2010 19:00	-5	3.3	7.4	335	6.0	42.8	48
5/1/2010 20:00	-4	1.7	3.8	358	3.7	38.7	61
5/1/2010 21:00	-5	0.9	2.0	331	2.3	36.1	68
5/1/2010 22:00	1	0.8	1.8	82	1.9	35.4	67
5/1/2010 23:00	-4	0.7	1.6	135	1.7	35.1	67
5/2/2010 0:00	7	0.6	1.3	306	1.5	34.7	70
5/2/2010 1:00	2	0.5	1.1	335	1.0	33.8	74
5/2/2010 2:00	-5	0.4	0.9	254	0.7	33.3	76
5/2/2010 3:00	-5	0.5	1.1	336	0.6	33.1	77
5/2/2010 4:00	6	0.8	1.8	338	0.2	32.4	78
5/2/2010 5:00	-5	0.7	1.6	313	-0.9	30.4	80
5/2/2010 6:00	-5	1.0	2.2	307	-1.3	29.7	84
5/2/2010 7:00	10	0.7	1.6	23	0.9	33.6	77
5/2/2010 8:00	5	0.6	1.3	133	2.4	36.3	70
5/2/2010 9:00	-2	1.3	2.9	158	4.6	40.3	55
5/2/2010 10:00	9	2.3	5.1	298	6.4	43.5	50
5/2/2010 11:00	-5	4.5	10.1	263	6.9	44.4	47
5/2/2010 12:00	8	3.9	8.7	282	7.9	46.2	43
5/2/2010 13:00	-5	5.4	12.1	253	8.2	46.8	45
5/2/2010 14:00	16	5.9	13.2	258	10.4	50.7	37
5/2/2010 15:00	-2	5.2	11.6	261	9.8	49.6	37
5/2/2010 16:00	4	4.5	10.1	280	10.0	50.0	34
5/2/2010 17:00	-5	5.1	11.4	274	9.3	48.7	34
5/2/2010 18:00	-1	4.4	9.8	258	8.4	47.1	37
5/2/2010 19:00	1	3.8	8.5	273	7.2	45.0	39
5/2/2010 20:00	-5	3.5	7.8	263	4.9	40.8	46
5/2/2010 21:00	-3	2.2	4.9	254	3.6	38.5	50
5/2/2010 22:00	-4	2.1	4.7	240	2.7	36.9	53
5/2/2010 23:00	5	1.6	3.6	209	2.2	36.0	55
5/3/2010 0:00	3	1.2	2.7	146	2.7	36.9	55
5/3/2010 1:00	1	1.7	3.8	182	3.9	39.0	54
5/3/2010 2:00	5	2.3	5.1	196	4.1	39.4	58
5/3/2010 3:00	0	2.2	4.9	180	4.4	39.9	59
5/3/2010 4:00	-1	1.8	4.0	172	5.0	41.0	57
5/3/2010 5:00	2	2.6	5.8	182	5.5	41.9	56
5/3/2010 6:00	1	4.1	9.2	198	5.8	42.4	60
5/3/2010 7:00	-1	5.5	12.3	193	5.9	42.6	63
5/3/2010 8:00	1	5.5	12.3	187	6.9	44.4	61
5/3/2010 9:00	5	5.5	12.3	188	7.6	45.7	61
5/3/2010 10:00	4	6.4	14.3	195	7.9	46.2	61
5/3/2010 11:00	49	8.3	18.6	206	9.8	49.6	57
5/3/2010 12:00	149	10.5	23.5	214	11.2	52.2	52
5/3/2010 13:00	22	9.6	21.5	216	11.6	52.9	53
5/3/2010 14:00	7	7.0	15.7	210	12.9	55.2	47
5/3/2010 15:00	3	6.1	13.6	211	12.7	54.9	49
5/3/2010 16:00	10	7.5	16.8	231	10.7	51.3	55
5/3/2010 17:00	-2	4.7	10.5	270	4.8	40.6	82
5/3/2010 18:00	1	4.5	10.1	277	3.2	37.8	70
5/3/2010 19:00	-5	4.8	10.7	245	1.8	35.2	71
5/3/2010 20:00	19	4.6	10.3	245	1.2	34.2	67
5/3/2010 21:00	38	1.0	2.2	255	-0.5	31.1	77

Date & Time Mountain Standard Time (data for hour ending)	PM10 Hourly (µg/m ³)	Wind Speed Hourly (meters per second)	Wind Speed Hourly (miles per hour)	Wind Direction Hourly (degrees true)	Air Temperature Hourly (Celsius)	Air Temperature Hourly (Fahrenheit)	Relative Humidity Hourly (percent)
5/3/2010 22:00	19	5.4	12.1	267	0.1	32.2	58
5/3/2010 23:00	18	5.8	13.0	261	-0.5	31.1	54
5/4/2010 0:00	25	5.9	13.2	264	-1.2	29.8	59
5/4/2010 1:00	9	5.8	13.0	263	-1.0	30.2	55
5/4/2010 2:00	16	3.2	7.2	209	-0.8	30.6	53
5/4/2010 3:00	11	4.6	10.3	243	-1.2	29.8	57
5/4/2010 4:00	0	4.9	11.0	245	-1.3	29.7	53
5/4/2010 5:00	7	4.5	10.1	239	-1.5	29.3	53
5/4/2010 6:00	5	5.0	11.2	248	-1.8	28.8	54
5/4/2010 7:00	3	6.2	13.9	256	-1.7	28.9	54
5/4/2010 8:00	0	5.9	13.2	253	-1.0	30.2	50
5/4/2010 9:00	6	5.5	12.3	250	-0.2	31.6	49
5/4/2010 10:00	5	5.5	12.3	258	0.9	33.6	46
5/4/2010 11:00	1	5.1	11.4	267	2.1	35.8	43
5/4/2010 12:00	-3	5.5	12.3	270	2.9	37.2	41
5/4/2010 13:00	4	5.8	13.0	265	3.2	37.8	40
5/4/2010 14:00	3	5.8	13.0	264	4.3	39.7	38
5/4/2010 15:00	1	5.5	12.3	264	4.7	40.5	36
5/4/2010 16:00	4	5.0	11.2	281	5.3	41.5	35
5/4/2010 17:00	2	4.4	9.8	287	4.3	39.7	37
5/4/2010 18:00	-5	4.0	8.9	290	3.9	39.0	38
5/4/2010 19:00	5	4.1	9.2	285	2.7	36.9	42
5/4/2010 20:00	1	2.2	4.9	274	0.0	32.0	50
5/4/2010 21:00	-2	1.5	3.4	259	-1.8	28.8	61
5/4/2010 22:00	0	1.3	2.9	264	-1.7	28.9	60
5/4/2010 23:00	5	0.9	2.0	168	-2.9	26.8	64
5/5/2010 0:00	2	0.8	1.8	233	-4.9	23.2	68
5/5/2010 1:00	0	1.1	2.5	166	-6.3	20.7	73
5/5/2010 2:00	-5	1.3	2.9	168	-6.3	20.7	71
5/5/2010 3:00	19	1.1	2.5	157	-7.4	18.7	73
5/5/2010 4:00	15	0.8	1.8	164	-8.7	16.3	74
5/5/2010 5:00	-5	0.8	1.8	156	-9.9	14.2	77
5/5/2010 6:00	12	1.0	2.2	179	-9.0	15.8	74
5/5/2010 7:00	-5	1.5	3.4	201	-5.4	22.3	60
5/5/2010 8:00	6	1.2	2.7	224	-2.1	28.2	49
5/5/2010 9:00	4	1.2	2.7	349	0.3	32.5	44
5/5/2010 10:00	8	1.5	3.4	350	2.0	35.6	39
5/5/2010 11:00	3	1.7	3.8	343	3.8	38.8	37
5/5/2010 12:00	6	2.3	5.1	353	4.6	40.3	39
5/5/2010 13:00	4	3.3	7.4	350	4.7	40.5	41
5/5/2010 14:00	5	3.8	8.5	349	4.0	39.2	45
5/5/2010 15:00	16	3.2	7.2	341	2.6	36.7	53
5/5/2010 16:00	8	1.7	3.8	193	3.7	38.7	47
5/5/2010 17:00	11	2.1	4.7	351	3.7	38.7	46
5/5/2010 18:00	7	3.3	7.4	7	2.9	37.2	47
5/5/2010 19:00	5	4.1	9.2	359	0.6	33.1	56
5/5/2010 20:00	0	4.0	8.9	357	-1.0	30.2	62
5/5/2010 21:00	2	3.8	8.5	358	-1.7	28.9	66
5/5/2010 22:00	42	4.4	9.8	346	-2.8	27.0	77
5/5/2010 23:00	3	4.0	8.9	353	-2.6	27.3	72
5/6/2010 0:00	4	4.2	9.4	354	-2.9	26.8	74
5/6/2010 1:00	3	4.0	8.9	350	-3.2	26.2	75
5/6/2010 2:00	7	3.7	8.3	351	-3.6	25.5	77
5/6/2010 3:00	15	3.8	8.5	349	-3.7	25.3	77
5/6/2010 4:00	-5	3.4	7.6	350	-3.5	25.7	73
5/6/2010 5:00	18	2.9	6.5	347	-3.6	25.5	74
5/6/2010 6:00	21	2.6	5.8	351	-4.1	24.6	79
5/6/2010 7:00	2	2.7	6.0	358	-3.6	25.5	76
5/6/2010 8:00	2	2.8	6.3	8	-2.1	28.2	65
5/6/2010 9:00	14	2.4	5.4	7	-1.7	28.9	61
5/6/2010 10:00	12	2.4	5.4	7	-0.5	31.1	55
5/6/2010 11:00	21	2.1	4.7	16	1.8	35.2	46
5/6/2010 12:00	11	2.1	4.7	34	4.2	39.6	39
5/6/2010 13:00	7	2.1	4.7	24	4.2	39.6	36
5/6/2010 14:00	-5	1.9	4.3	355	4.2	39.6	33
5/6/2010 15:00	13	2.5	5.6	307	4.5	40.1	38
5/6/2010 16:00	4	2.1	4.7	349	4.6	40.3	37
5/6/2010 17:00	4	2.9	6.5	343	4.6	40.3	42
5/6/2010 18:00	2	4.1	9.2	334	1.9	35.4	58
5/6/2010 19:00	-3	3.1	6.9	325	1.0	33.8	64
5/6/2010 20:00	-5	2.6	5.8	303	-0.2	31.6	71
5/6/2010 21:00	17	1.8	4.0	333	-0.9	30.4	74
5/6/2010 22:00	8	0.6	1.3	92	-1.7	28.9	74
5/6/2010 23:00	0	0.5	1.1	56	-1.9	28.6	75

Date & Time Mountain Standard Time (data for hour ending)	PM10 Hourly (µg/m3)	Wind Speed Hourly (meters per second)	Wind Speed Hourly (miles per hour)	Wind Direction Hourly (degrees true)	Air Temperature Hourly (Celsius)	Air Temperature Hourly (Fahrenheit)	Relative Humidity Hourly (percent)
5/7/2010 0:00	0	0.5	1.1	42	-2.5	27.5	77
5/7/2010 1:00	12	0.4	0.9	84	-3.4	25.9	81
5/7/2010 2:00	-1	0.5	1.1	271	-6.0	21.2	86
5/7/2010 3:00	4	0.7	1.6	227	-5.5	22.1	88
5/7/2010 4:00	-5	0.4	0.9	130	-5.8	21.6	87
5/7/2010 5:00	-2	0.6	1.3	8	-7.7	18.1	87
5/7/2010 6:00	2	0.6	1.3	348	-7.7	18.1	87
5/7/2010 7:00	22	0.4	0.9	54	-5.2	22.6	80
5/7/2010 8:00	-5	0.8	1.8	125	-1.2	29.8	64
5/7/2010 9:00	6	1.1	2.5	270	1.4	34.5	57
5/7/2010 10:00	0	1.6	3.6	191	3.5	38.3	47
5/7/2010 11:00	3	1.8	4.0	144	5.4	41.7	38
5/7/2010 12:00	4	2.0	4.5	193	6.5	43.7	30
5/7/2010 13:00	4	1.9	4.3	149	7.9	46.2	24
5/7/2010 14:00	10	1.7	3.8	90	8.4	47.1	23
5/7/2010 15:00	3	2.0	4.5	265	9.5	49.1	17
5/7/2010 16:00	-5	2.0	4.5	324	9.1	48.4	20
5/7/2010 17:00	14	1.8	4.0	123	9.6	49.3	20
5/7/2010 18:00	-5	4.2	9.4	124	7.4	45.3	37
5/7/2010 19:00	BA	3.1	6.9	124	6.1	43.0	39
5/7/2010 20:00	27	2.6	5.8	120	5.2	41.4	44
5/7/2010 21:00	4	1.3	2.9	162	2.0	35.6	54
5/7/2010 22:00	2	1.3	2.9	252	-1.1	30.0	65
5/7/2010 23:00	-5	0.8	1.8	156	-2.4	27.7	70
5/8/2010 0:00	8	0.8	1.8	119	-2.5	27.5	71
5/8/2010 1:00	9	0.7	1.6	226	-4.0	24.8	79
5/8/2010 2:00	-5	1.0	2.2	152	-4.5	23.9	78
5/8/2010 3:00	-4	0.9	2.0	166	-5.2	22.6	79
5/8/2010 4:00	18	0.6	1.3	159	-6.2	20.8	82
5/8/2010 5:00	0	0.9	2.0	159	-5.9	21.4	76
5/8/2010 6:00	8	0.6	1.3	196	-6.7	19.9	81
5/8/2010 7:00	-5	1.4	3.1	207	-2.0	28.4	65
5/8/2010 8:00	9	2.2	4.9	181	4.4	39.9	42
5/8/2010 9:00	3	3.8	8.5	151	7.4	45.3	33
5/8/2010 10:00	10	3.2	7.2	156	9.1	48.4	29
5/8/2010 11:00	6	2.8	6.3	166	9.6	49.3	27
5/8/2010 12:00	4	2.6	5.8	240	9.9	49.8	29
5/8/2010 13:00	1	3.1	6.9	273	9.1	48.4	37
5/8/2010 14:00	3	2.1	4.7	263	9.3	48.7	38
5/8/2010 15:00	10	1.4	3.1	19	9.7	49.5	36
5/8/2010 16:00	-2	2.0	4.5	163	8.8	47.8	44
5/8/2010 17:00	-3	2.6	5.8	104	8.4	47.1	51
5/8/2010 18:00	12	2.0	4.5	333	9.3	48.7	46
5/8/2010 19:00	4	2.6	5.8	277	7.2	45.0	60
5/8/2010 20:00	-5	1.6	3.6	276	5.7	42.3	70
5/8/2010 21:00	4	1.1	2.5	357	3.6	38.5	82
5/8/2010 22:00	10	1.6	3.6	339	2.7	36.9	86
5/8/2010 23:00	-3	0.9	2.0	2	1.7	35.1	86
5/9/2010 0:00	6	1.1	2.5	302	0.6	33.1	89
5/9/2010 1:00	4	0.8	1.8	167	-0.3	31.5	90
5/9/2010 2:00	18	0.8	1.8	185	-0.9	30.4	90
5/9/2010 3:00	-3	0.8	1.8	169	-1.5	29.3	91
5/9/2010 4:00	48	0.7	1.6	328	-1.9	28.6	90
5/9/2010 5:00	58	0.9	2.0	180	-2.5	27.5	91
5/9/2010 6:00	-4	0.6	1.3	7	-4.0	24.8	90
5/9/2010 7:00	16	0.9	2.0	337	-1.7	28.9	87
5/9/2010 8:00	0	1.1	2.5	13	1.7	35.1	76
5/9/2010 9:00	8	1.1	2.5	19	5.2	41.4	57
5/9/2010 10:00	-4	1.4	3.1	32	7.7	45.9	45
5/9/2010 11:00	8	1.9	4.3	62	8.7	47.7	41
5/9/2010 12:00	-3	1.6	3.6	28	9.1	48.4	38
5/9/2010 13:00	-3	1.5	3.4	345	9.9	49.8	33
5/9/2010 14:00	3	1.5	3.4	73	10.2	50.4	30
5/9/2010 15:00	7	1.6	3.6	19	11.0	51.8	29
5/9/2010 16:00	1	1.3	2.9	90	11.8	53.2	25
5/9/2010 17:00	4	2.0	4.5	333	13.1	55.6	22
5/9/2010 18:00	-5	3.0	6.7	317	12.5	54.5	21
5/9/2010 19:00	0	2.4	5.4	3	10.9	51.6	29
5/9/2010 20:00	-4	1.6	3.6	21	7.9	46.2	42
5/9/2010 21:00	4	1.2	2.7	27	5.3	41.5	51
5/9/2010 22:00	1	1.4	3.1	341	1.9	35.4	63
5/9/2010 23:00	0	0.7	1.6	170	-0.9	30.4	74
5/10/2010 0:00	21	0.8	1.8	193	-1.7	28.9	79
5/10/2010 1:00	-5	0.6	1.3	163	-2.7	27.1	80

Date & Time Mountain Standard Time (data for hour ending)	PM10 Hourly (µg/m3)	Wind Speed Hourly (meters per second)	Wind Speed Hourly (miles per hour)	Wind Direction Hourly (degrees true)	Air Temperature Hourly (Celsius)	Air Temperature Hourly (Fahrenheit)	Relative Humidity Hourly (percent)
5/10/2010 2:00	6	0.6	1.3	149	-3.2	26.2	82
5/10/2010 3:00	14	0.9	2.0	145	-2.9	26.8	80
5/10/2010 4:00	-5	0.8	1.8	215	-3.7	25.3	82
5/10/2010 5:00	8	0.6	1.3	144	-3.1	26.4	82
5/10/2010 6:00	-5	0.7	1.6	212	-4.2	24.4	84
5/10/2010 7:00	-1	1.2	2.7	193	-0.4	31.3	68
5/10/2010 8:00	5	1.3	2.9	180	4.1	39.4	51
5/10/2010 9:00	12	0.9	2.0	54	7.1	44.8	44
5/10/2010 10:00	1	1.3	2.9	23	9.0	48.2	38
5/10/2010 11:00	9	1.5	3.4	21	11.2	52.2	33
5/10/2010 12:00	16	1.8	4.0	2	13.0	55.4	30
5/10/2010 13:00	3	2.5	5.6	56	14.2	57.6	30
5/10/2010 14:00	7	2.4	5.4	78	14.8	58.6	27
5/10/2010 15:00	4	1.8	4.0	4	14.6	58.3	27
5/10/2010 16:00	-5	3.9	8.7	324	12.1	53.8	40
5/10/2010 17:00	7	5.6	12.5	301	10.9	51.6	49
5/10/2010 18:00	7	4.2	9.4	321	10.6	51.1	48
5/10/2010 19:00	3	2.4	5.4	100	10.9	51.6	44
5/10/2010 20:00	6	1.9	4.3	142	9.2	48.6	56
5/10/2010 21:00	-5	2.4	5.4	222	7.6	45.7	63
5/10/2010 22:00	23	2.0	4.5	208	5.8	42.4	75
5/10/2010 23:00	1	0.9	2.0	126	5.3	41.5	77
5/11/2010 0:00	-5	2.0	4.5	350	5.2	41.4	74
5/11/2010 1:00	7	3.2	7.2	349	4.9	40.8	72
5/11/2010 2:00	4	3.5	7.8	350	4.6	40.3	72
5/11/2010 3:00	9	3.3	7.4	349	4.3	39.7	73
5/11/2010 4:00	-5	3.2	7.2	347	3.9	39.0	74
5/11/2010 5:00	-2	3.1	6.9	346	3.7	38.7	75
5/11/2010 6:00	2	3.0	6.7	351	3.7	38.7	75
5/11/2010 7:00	10	3.8	8.5	356	3.9	39.0	73
5/11/2010 8:00	5	4.1	9.2	355	4.8	40.6	70
5/11/2010 9:00	24	3.8	8.5	1	6.8	44.2	61
5/11/2010 10:00	24	4.0	8.9	359	6.3	43.3	60
5/11/2010 11:00	15	4.1	9.2	356	6.9	44.4	58
5/11/2010 12:00	6	4.0	8.9	356	8.2	46.8	54
5/11/2010 13:00	30	3.8	8.5	0	9.7	49.5	48
5/11/2010 14:00	22	4.0	8.9	358	10.3	50.5	46
5/11/2010 15:00	21	4.2	9.4	4	9.9	49.8	46
5/11/2010 16:00	25	2.9	6.5	23	9.6	49.3	46
5/11/2010 17:00	32	3.1	6.9	10	9.2	48.6	48
5/11/2010 18:00	4	2.6	5.8	12	8.0	46.4	53
5/11/2010 19:00	4	2.4	5.4	11	7.2	45.0	57
5/11/2010 20:00	5	2.4	5.4	12	6.6	43.9	58
5/11/2010 21:00	-1	2.4	5.4	359	6.1	43.0	60
5/11/2010 22:00	6	2.3	5.1	353	5.8	42.4	60
5/11/2010 23:00	5	2.4	5.4	338	5.4	41.7	61
5/12/2010 0:00	1	1.9	4.3	322	4.6	40.3	64
5/12/2010 1:00	7	0.7	1.6	29	4.1	39.4	65
5/12/2010 2:00	2	0.5	1.1	104	3.2	37.8	68
5/12/2010 3:00	3	0.4	0.9	9	2.2	36.0	76
5/12/2010 4:00	17	0.6	1.3	308	0.2	32.4	81
5/12/2010 5:00	-5	0.7	1.6	307	0.0	32.0	78
5/12/2010 6:00	-4	0.6	1.3	332	0.1	32.2	79
5/12/2010 7:00	3	0.9	2.0	330	2.6	36.7	68
5/12/2010 8:00	17	1.6	3.6	18	6.7	44.1	51
5/12/2010 9:00	3	2.2	4.9	360	8.1	46.6	47
5/12/2010 10:00	6	2.5	5.6	354	8.4	47.1	44
5/12/2010 11:00	19	2.2	4.9	10	9.3	48.7	35
5/12/2010 12:00	12	1.7	3.8	28	9.8	49.6	34
5/12/2010 13:00	11	2.0	4.5	53	10.4	50.7	33
5/12/2010 14:00	9	2.1	4.7	46	10.8	51.4	31
5/12/2010 15:00	8	2.3	5.1	358	11.4	52.5	28
5/12/2010 16:00	13	2.8	6.3	357	11.9	53.4	28
5/12/2010 17:00	19	2.9	6.5	354	12.4	54.3	27
5/12/2010 18:00	-1	2.4	5.4	4	11.8	53.2	27
5/12/2010 19:00	-1	2.5	5.6	347	10.6	51.1	31
5/12/2010 20:00	4	1.3	2.9	2	7.9	46.2	39
5/12/2010 21:00	4	1.0	2.2	334	3.3	37.9	54
5/12/2010 22:00	8	0.7	1.6	5	1.6	34.9	60
5/12/2010 23:00	7	0.8	1.8	202	-0.5	31.1	71
5/13/2010 0:00	11	1.1	2.5	143	-1.1	30.0	71
5/13/2010 1:00	9	1.0	2.2	122	-2.6	27.3	76
5/13/2010 2:00	1	1.1	2.5	147	-3.1	26.4	76
5/13/2010 3:00	-5	0.9	2.0	144	-3.4	25.9	76

Date & Time Mountain Standard Time (data for hour ending)	PM10 Hourly (µg/m3)	Wind Speed Hourly (meters per second)	Wind Speed Hourly (miles per hour)	Wind Direction Hourly (degrees true)	Air Temperature Hourly (Celsius)	Air Temperature Hourly (Fahrenheit)	Relative Humidity Hourly (percent)
5/13/2010 4:00	4	1.2	2.7	182	-3.0	26.6	75
5/13/2010 5:00	5	1.2	2.7	177	-3.5	25.7	77
5/13/2010 6:00	-5	1.5	3.4	170	-3.0	26.6	75
5/13/2010 7:00	8	2.2	4.9	180	0.6	33.1	64
5/13/2010 8:00	11	2.4	5.4	165	5.7	42.3	48
5/13/2010 9:00	4	2.2	4.9	176	9.6	49.3	35
5/13/2010 10:00	9	2.1	4.7	124	11.6	52.9	30
5/13/2010 11:00	13	1.7	3.8	29	13.3	55.9	27
5/13/2010 12:00	9	2.0	4.5	25	14.7	58.5	26
5/13/2010 13:00	13	2.0	4.5	0	15.8	60.4	25
5/13/2010 14:00	12	1.8	4.0	15	16.5	61.7	21
5/13/2010 15:00	0	2.0	4.5	3	16.4	61.5	19
5/13/2010 16:00	15	2.1	4.7	13	16.5	61.7	19
5/13/2010 17:00	13	1.9	4.3	23	16.5	61.7	20
5/13/2010 18:00	4	1.5	3.4	22	15.8	60.4	22
5/13/2010 19:00	0	0.9	2.0	28	14.9	58.8	27
5/13/2010 20:00	10	0.7	1.6	25	12.8	55.0	33
5/13/2010 21:00	-2	1.0	2.2	202	8.9	48.0	46
5/13/2010 22:00	-5	1.3	2.9	147	6.2	43.2	55
5/13/2010 23:00	5	1.1	2.5	144	5.6	42.1	55
5/14/2010 0:00	11	1.5	3.4	156	4.1	39.4	60
5/14/2010 1:00	13	1.3	2.9	157	3.5	38.3	61
5/14/2010 2:00	6	1.8	4.0	172	2.7	36.9	62
5/14/2010 3:00	2	1.6	3.6	174	1.4	34.5	68
5/14/2010 4:00	1	1.6	3.6	167	1.5	34.7	68
5/14/2010 5:00	19	1.3	2.9	162	0.5	32.9	71
5/14/2010 6:00	1	1.4	3.1	156	0.7	33.3	70
5/14/2010 7:00	4	2.0	4.5	162	4.5	40.1	57
5/14/2010 8:00	15	2.7	6.0	181	9.3	48.7	43
5/14/2010 9:00	6	2.4	5.4	189	13.0	55.4	32
5/14/2010 10:00	12	2.3	5.1	177	16.1	61.0	25
5/14/2010 11:00	19	2.9	6.5	170	17.7	63.9	21
5/14/2010 12:00	13	3.2	7.2	151	18.5	65.3	19
5/14/2010 13:00	8	3.0	6.7	142	19.5	67.1	17
5/14/2010 14:00	12	2.5	5.6	165	19.9	67.8	16
5/14/2010 15:00	3	1.6	3.6	135	19.9	67.8	16
5/14/2010 16:00	7	1.7	3.8	240	20.3	68.5	15
5/14/2010 17:00	-3	1.7	3.8	328	19.3	66.7	17
5/14/2010 18:00	3	2.3	5.1	333	18.5	65.3	20
5/14/2010 19:00	22	2.3	5.1	345	18.1	64.6	27
5/14/2010 20:00	21	0.9	2.0	22	15.8	60.4	33
5/14/2010 21:00	5	0.5	1.1	173	10.4	50.7	50
5/14/2010 22:00	6	1.1	2.5	133	9.0	48.2	57
5/14/2010 23:00	6	1.2	2.7	133	8.5	47.3	51
5/15/2010 0:00	12	1.2	2.7	156	7.2	45.0	55
5/15/2010 1:00	1	1.0	2.2	172	5.0	41.0	65
5/15/2010 2:00	14	1.3	2.9	160	3.7	38.7	69
5/15/2010 3:00	9	1.4	3.1	169	3.8	38.8	66
5/15/2010 4:00	8	1.1	2.5	147	3.5	38.3	68
5/15/2010 5:00	8	1.3	2.9	156	2.9	37.2	70
5/15/2010 6:00	13	1.5	3.4	175	3.3	37.9	69
5/15/2010 7:00	9	1.5	3.4	184	6.5	43.7	59
5/15/2010 8:00	11	1.9	4.3	179	10.9	51.6	45
5/15/2010 9:00	11	1.7	3.8	176	13.6	56.5	37
5/15/2010 10:00	14	2.0	4.5	184	16.9	62.4	28
5/15/2010 11:00	22	2.0	4.5	151	19.3	66.7	21
5/15/2010 12:00	-5	3.4	7.6	272	18.3	64.9	26
5/15/2010 13:00	5	2.5	5.6	2	19.3	66.7	26
5/15/2010 14:00	16	2.1	4.7	3	20.9	69.6	21
5/15/2010 15:00	-5	5.3	11.9	323	17.7	63.9	33
5/15/2010 16:00	6	3.3	7.4	312	16.7	62.1	36
5/15/2010 17:00	2	1.0	2.2	21	17.7	63.9	35
5/15/2010 18:00	-5	4.2	9.4	295	16.1	61.0	37
5/15/2010 19:00	5	2.8	6.3	328	15.7	60.3	36
5/15/2010 20:00	13	1.9	4.3	1	15.1	59.2	42
5/15/2010 21:00	7	0.9	2.0	286	11.0	51.8	56
5/15/2010 22:00	-2	0.7	1.6	152	8.1	46.6	68
5/15/2010 23:00	13	1.3	2.9	151	7.2	45.0	67
5/16/2010 0:00	12	1.5	3.4	172	6.3	43.3	70
5/16/2010 1:00	9	1.4	3.1	164	5.3	41.5	74
5/16/2010 2:00	13	1.5	3.4	173	5.3	41.5	72
5/16/2010 3:00	6	1.8	4.0	183	4.6	40.3	75
5/16/2010 4:00	-1	2.4	5.4	202	4.7	40.5	73
5/16/2010 5:00	1	2.2	4.9	194	4.7	40.5	73

Date & Time Mountain Standard Time (data for hour ending)	PM10 Hourly (µg/m3)	Wind Speed Hourly (meters per second)	Wind Speed Hourly (miles per hour)	Wind Direction Hourly (degrees true)	Air Temperature Hourly (Celsius)	Air Temperature Hourly (Fahrenheit)	Relative Humidity Hourly (percent)
5/16/2010 6:00	8	2.4	5.4	173	4.5	40.1	74
5/16/2010 7:00	-5	2.3	5.1	160	6.9	44.4	64
5/16/2010 8:00	12	1.6	3.6	131	10.3	50.5	56
5/16/2010 9:00	13	2.6	5.8	198	14.9	58.8	41
5/16/2010 10:00	11	2.2	4.9	194	18.8	65.8	30
5/16/2010 11:00	9	2.1	4.7	151	20.7	69.3	23
5/16/2010 12:00	9	2.5	5.6	122	21.8	71.2	19
5/16/2010 13:00	4	2.4	5.4	137	22.1	71.8	17
5/16/2010 14:00	2	2.7	6.0	153	22.8	73.0	16
5/16/2010 15:00	1	2.9	6.5	159	22.7	72.9	17
5/16/2010 16:00	0	2.4	5.4	156	22.6	72.7	17
5/16/2010 17:00	4	1.3	2.9	163	22.2	72.0	18
5/16/2010 18:00	6	1.1	2.5	306	22.3	72.1	17
5/16/2010 19:00	2	1.2	2.7	255	21.6	70.9	19
5/16/2010 20:00	-5	0.8	1.8	155	17.9	64.2	32
5/16/2010 21:00	-2	0.8	1.8	154	15.2	59.4	46
5/16/2010 22:00	-5	1.3	2.9	205	14.6	58.3	40
5/16/2010 23:00	5	1.2	2.7	166	13.0	55.4	44
5/17/2010 0:00	15	1.2	2.7	157	10.5	50.9	52
5/17/2010 1:00	6	1.0	2.2	156	8.2	46.8	58
5/17/2010 2:00	3	1.4	3.1	186	7.9	46.2	58
5/17/2010 3:00	9	0.9	2.0	190	7.0	44.6	60
5/17/2010 4:00	4	0.8	1.8	160	6.8	44.2	61
5/17/2010 5:00	1	1.8	4.0	214	7.7	45.9	58
5/17/2010 6:00	3	1.9	4.3	205	8.0	46.4	56
5/17/2010 7:00	8	2.4	5.4	198	10.9	51.6	47
5/17/2010 8:00	15	2.7	6.0	205	14.9	58.8	36
5/17/2010 9:00	18	3.2	7.2	171	19.3	66.7	27
5/17/2010 10:00	12	3.7	8.3	152	21.1	70.0	25
5/17/2010 11:00	7	3.5	7.8	148	22.6	72.7	20
5/17/2010 12:00	0	3.4	7.6	149	23.7	74.7	17
5/17/2010 13:00	5	2.3	5.1	135	24.6	76.3	15
5/17/2010 14:00	-5	2.1	4.7	217	23.6	74.5	18
5/17/2010 15:00	5	2.7	6.0	248	23.4	74.1	20
5/17/2010 16:00	12	4.2	9.4	215	22.8	73.0	23
5/17/2010 17:00	-3	2.7	6.0	215	21.2	70.2	28
5/17/2010 18:00	8	1.2	2.7	288	21.9	71.4	26
5/17/2010 19:00	6	0.6	1.3	315	21.3	70.3	29
5/17/2010 20:00	1	0.5	1.1	103	18.2	64.8	45
5/17/2010 21:00	0	0.8	1.8	235	14.3	57.7	56
5/17/2010 22:00	-3	0.7	1.6	161	12.7	54.9	60
5/17/2010 23:00	9	1.2	2.7	174	12.3	54.1	59
5/18/2010 0:00	9	1.0	2.2	233	10.7	51.3	63
5/18/2010 1:00	7	1.2	2.7	178	11.2	52.2	60
5/18/2010 2:00	12	0.9	2.0	324	11.1	52.0	59
5/18/2010 3:00	3	1.1	2.5	162	12.3	54.1	54
5/18/2010 4:00	9	1.5	3.4	187	12.4	54.3	53
5/18/2010 5:00	10	2.2	4.9	181	14.2	57.6	56
5/18/2010 6:00	4	1.2	2.7	195	12.0	53.6	65
5/18/2010 7:00	12	1.4	3.1	201	12.8	55.0	60
5/18/2010 8:00	8	1.8	4.0	162	16.2	61.2	49
5/18/2010 9:00	7	2.9	6.5	164	18.1	64.6	43
5/18/2010 10:00	9	2.8	6.3	176	19.6	67.3	37
5/18/2010 11:00	4	2.6	5.8	176	20.1	68.2	36
5/18/2010 12:00	9	2.5	5.6	145	21.7	71.1	30
5/18/2010 13:00	-5	2.9	6.5	246	17.4	63.3	50
5/18/2010 14:00	-5	2.6	5.8	283	16.5	61.7	51
5/18/2010 15:00	28	3.4	7.6	203	17.0	62.6	50
5/18/2010 16:00	5	2.9	6.5	313	18.1	64.6	47
5/18/2010 17:00	27	1.4	3.1	19	18.4	65.1	47
5/18/2010 18:00	3	2.0	4.5	109	16.4	61.5	53
5/18/2010 19:00	-3	2.8	6.3	182	14.2	57.6	64
5/18/2010 20:00	0	2.4	5.4	202	13.2	55.8	68
5/18/2010 21:00	-3	2.0	4.5	326	11.6	52.9	78
5/18/2010 22:00	3	1.1	2.5	56	10.1	50.2	86
5/18/2010 23:00	7	0.9	2.0	68	9.4	48.9	89
5/19/2010 0:00	5	0.5	1.1	32	9.1	48.4	89
5/19/2010 1:00	-5	0.5	1.1	140	8.8	47.8	88
5/19/2010 2:00	8	0.5	1.1	359	8.6	47.5	90
5/19/2010 3:00	-5	0.7	1.6	53	8.3	46.9	87
5/19/2010 4:00	8	0.8	1.8	80	7.9	46.2	86
5/19/2010 5:00	-5	0.7	1.6	119	7.4	45.3	85
5/19/2010 6:00	2	0.7	1.6	89	7.5	45.5	83
5/19/2010 7:00	0	0.5	1.1	132	7.9	46.2	83

Date & Time Mountain Standard Time (data for hour ending)	PM10 Hourly (µg/m3)	Wind Speed Hourly (meters per second)	Wind Speed Hourly (miles per hour)	Wind Direction Hourly (degrees true)	Air Temperature Hourly (Celsius)	Air Temperature Hourly (Fahrenheit)	Relative Humidity Hourly (percent)
5/19/2010 8:00	2	1.1	2.5	102	9.2	48.6	76
5/19/2010 9:00	0	0.9	2.0	78	10.1	50.2	69
5/19/2010 10:00	5	1.0	2.2	252	11.6	52.9	61
5/19/2010 11:00	6	2.1	4.7	290	13.4	56.1	52
5/19/2010 12:00	11	1.7	3.8	126	14.9	58.8	45
5/19/2010 13:00	-2	2.0	4.5	112	15.8	60.4	42
5/19/2010 14:00	3	1.8	4.0	91	17.1	62.8	40
5/19/2010 15:00	2	1.8	4.0	119	17.2	63.0	38
5/19/2010 16:00	-5	1.6	3.6	128	17.6	63.7	36
5/19/2010 17:00	7	1.4	3.1	126	18.1	64.6	36
5/19/2010 18:00	-5	2.9	6.5	150	18.4	65.1	36
5/19/2010 19:00	-1	2.6	5.8	146	17.9	64.2	38
5/19/2010 20:00	2	2.3	5.1	153	16.5	61.7	47
5/19/2010 21:00	-5	1.4	3.1	158	14.0	57.2	57
5/19/2010 22:00	-4	1.8	4.0	193	13.9	57.0	56
5/19/2010 23:00	2	2.2	4.9	176	13.5	56.3	59
5/20/2010 0:00	5	2.1	4.7	181	12.8	55.0	61
5/20/2010 1:00	1	2.6	5.8	185	12.6	54.7	58
5/20/2010 2:00	3	3.2	7.2	185	12.3	54.1	54
5/20/2010 3:00	5	2.9	6.5	188	11.0	51.8	58
5/20/2010 4:00	5	2.4	5.4	181	9.9	49.8	62
5/20/2010 5:00	4	1.7	3.8	242	10.1	50.2	61
5/20/2010 6:00	11	2.6	5.8	47	7.2	45.0	70
5/20/2010 7:00	-3	1.9	4.3	66	3.5	38.3	82
5/20/2010 8:00	-2	1.6	3.6	62	1.5	34.7	88
5/20/2010 9:00	2	1.5	3.4	50	1.6	34.9	88
5/20/2010 10:00	16	1.7	3.8	59	3.7	38.7	83
5/20/2010 11:00	0	1.6	3.6	51	5.7	42.3	72
5/20/2010 12:00	10	1.5	3.4	50	7.2	45.0	65
5/20/2010 13:00	-5	1.4	3.1	92	7.0	44.6	65
5/20/2010 14:00	1	4.1	9.2	294	9.3	48.7	47
5/20/2010 15:00	2	4.6	10.3	273	9.3	48.7	48
5/20/2010 16:00	-2	5.0	11.2	285	10.0	50.0	40
5/20/2010 17:00	3	4.8	10.7	290	9.4	48.9	41
5/20/2010 18:00	-5	4.2	9.4	254	7.9	46.2	48
5/20/2010 19:00	13	2.3	5.1	251	8.5	47.3	43
5/20/2010 20:00	-1	1.9	4.3	198	6.2	43.2	53
5/20/2010 21:00	-5	1.1	2.5	223	3.8	38.8	62
5/20/2010 22:00	-4	1.4	3.1	228	2.7	36.9	64
5/20/2010 23:00	-3	2.1	4.7	240	2.6	36.7	65
5/21/2010 0:00	2	1.9	4.3	228	1.9	35.4	67
5/21/2010 1:00	-5	1.6	3.6	217	1.4	34.5	67
5/21/2010 2:00	-3	1.2	2.7	204	0.4	32.7	72
5/21/2010 3:00	10	1.3	2.9	186	0.4	32.7	74
5/21/2010 4:00	-1	1.7	3.8	217	1.4	34.5	66
5/21/2010 5:00	-3	1.1	2.5	162	-0.5	31.1	78
5/21/2010 6:00	8	1.1	2.5	200	-1.4	29.5	81
5/21/2010 7:00	-2	0.8	1.8	172	0.4	32.7	74
5/21/2010 8:00	0	1.3	2.9	199	3.9	39.0	59
5/21/2010 9:00	6	1.7	3.8	159	6.9	44.4	44
5/21/2010 10:00	4	2.6	5.8	166	9.1	48.4	34
5/21/2010 11:00	1	2.5	5.6	176	10.7	51.3	30
5/21/2010 12:00	-5	4.1	9.2	223	11.4	52.5	24
5/21/2010 13:00	10	4.6	10.3	237	12.5	54.5	24
5/21/2010 14:00	8	3.6	8.1	231	13.4	56.1	22
5/21/2010 15:00	0	2.7	6.0	250	13.1	55.6	22
5/21/2010 16:00	10	2.3	5.1	184	12.7	54.9	23
5/21/2010 17:00	-3	2.6	5.8	234	10.5	50.9	35
5/21/2010 18:00	-2	1.1	2.5	307	9.0	48.2	47
5/21/2010 19:00	11	1.5	3.4	224	8.3	46.9	53
5/21/2010 20:00	-5	1.8	4.0	178	4.9	40.8	81
5/21/2010 21:00	-5	0.8	1.8	307	3.7	38.7	85
5/21/2010 22:00	11	0.7	1.6	355	4.1	39.4	85
5/21/2010 23:00	3	0.9	2.0	351	3.1	37.6	87
5/22/2010 0:00	1	0.7	1.6	73	2.7	36.9	88
5/22/2010 1:00	-5	0.8	1.8	35	2.4	36.3	86
5/22/2010 2:00	-3	1.1	2.5	346	2.4	36.3	85
5/22/2010 3:00	8	1.2	2.7	347	2.4	36.3	85
5/22/2010 4:00	2	0.7	1.6	44	2.1	35.8	84
5/22/2010 5:00	2	1.0	2.2	360	2.0	35.6	85
5/22/2010 6:00	-1	1.3	2.9	346	2.0	35.6	84
5/22/2010 7:00	4	1.2	2.7	335	2.4	36.3	83
5/22/2010 8:00	5	1.3	2.9	7	3.0	37.4	79
5/22/2010 9:00	0	1.0	2.2	16	3.8	38.8	72

Date & Time Mountain Standard Time (data for hour ending)	PM10 Hourly (µg/m3)	Wind Speed Hourly (meters per second)	Wind Speed Hourly (miles per hour)	Wind Direction Hourly (degrees true)	Air Temperature Hourly (Celsius)	Air Temperature Hourly (Fahrenheit)	Relative Humidity Hourly (percent)
5/22/2010 10:00	-5	2.0	4.5	321	5.4	41.7	63
5/22/2010 11:00	10	2.4	5.4	4	7.7	45.9	50
5/22/2010 12:00	-4	2.6	5.8	308	6.5	43.7	54
5/22/2010 13:00	1	2.0	4.5	337	8.1	46.6	45
5/22/2010 14:00	7	1.5	3.4	47	8.3	46.9	45
5/22/2010 15:00	-5	3.8	8.5	266	7.1	44.8	56
5/22/2010 16:00	6	2.7	6.0	249	8.3	46.9	49
5/22/2010 17:00	-5	2.0	4.5	261	5.5	41.9	70
5/22/2010 18:00	-5	2.6	5.8	217	4.9	40.8	71
5/22/2010 19:00	4	2.9	6.5	132	3.8	38.8	79
5/22/2010 20:00	3	1.3	2.9	180	2.2	36.0	86
5/22/2010 21:00	-5	1.0	2.2	252	0.5	32.9	90
5/22/2010 22:00	7	0.9	2.0	268	0.7	33.3	90
5/22/2010 23:00	0	1.0	2.2	225	1.0	33.8	90
5/23/2010 0:00	-1	0.6	1.3	211	0.5	32.9	90
5/23/2010 1:00	-4	0.7	1.6	249	0.2	32.4	91
5/23/2010 2:00	7	AO	AO	AO	0.2	32.4	91
5/23/2010 3:00	-5	AO	AO	AO	0.1	32.2	91
5/23/2010 4:00	2	AO	AO	AO	0.1	32.2	91
5/23/2010 5:00	5	AO	AO	AO	0.1	32.2	91
5/23/2010 6:00	AO	AO	AO	AO	-0.6	30.9	91
5/23/2010 7:00	17	AO	AO	AO	-1.2	29.8	90
5/23/2010 8:00	15	AO	AO	AO	-0.5	31.1	82
5/23/2010 9:00	2	0.7	1.6	235	3.4	38.1	68
5/23/2010 10:00	0	1.7	3.8	168	5.6	42.1	62
5/23/2010 11:00	7	2.3	5.1	170	6.3	43.3	57
5/23/2010 12:00	1	2.6	5.8	166	7.1	44.8	54
5/23/2010 13:00	-2	2.8	6.3	157	7.9	46.2	52
5/23/2010 14:00	9	2.4	5.4	157	9.8	49.6	43
5/23/2010 15:00	6	2.3	5.1	145	10.9	51.6	36
5/23/2010 16:00	-4	3.4	7.6	195	11.1	52.0	35
5/23/2010 17:00	3	2.1	4.7	326	10.6	51.1	42
5/23/2010 18:00	3	1.5	3.4	9	11.0	51.8	41
5/23/2010 19:00	2	1.9	4.3	341	10.5	50.9	40
5/23/2010 20:00	-5	1.4	3.1	349	9.3	48.7	44
5/23/2010 21:00	-5	1.5	3.4	343	6.9	44.4	61
5/23/2010 22:00	-3	1.0	2.2	5	6.8	44.2	58
5/23/2010 23:00	5	0.9	2.0	30	6.6	43.9	57
5/24/2010 0:00	15	2.0	4.5	101	6.4	43.5	60
5/24/2010 1:00	3	1.4	3.1	29	5.7	42.3	64
5/24/2010 2:00	-5	1.4	3.1	343	4.1	39.4	78
5/24/2010 3:00	20	1.2	2.7	324	3.3	37.9	84
5/24/2010 4:00	1	0.8	1.8	6	3.6	38.5	82
5/24/2010 5:00	0	0.6	1.3	68	3.7	38.7	81
5/24/2010 6:00	1	0.7	1.6	62	3.7	38.7	81
5/24/2010 7:00	-1	0.9	2.0	25	3.7	38.7	84
5/24/2010 8:00	2	1.7	3.8	2	3.9	39.0	85
5/24/2010 9:00	-2	2.3	5.1	3	4.0	39.2	84
5/24/2010 10:00	3	2.3	5.1	3	4.0	39.2	84
5/24/2010 11:00	2	2.5	5.6	3	4.3	39.7	82
5/24/2010 12:00	-1	2.7	6.0	1	4.7	40.5	80
5/24/2010 13:00	13	2.6	5.8	1	5.8	42.4	76
5/24/2010 14:00	-3	2.1	4.7	7	6.2	43.2	74
5/24/2010 15:00	-5	2.2	4.9	3	5.9	42.6	78
5/24/2010 16:00	13	2.2	4.9	3	6.4	43.5	79
5/24/2010 17:00	-2	2.0	4.5	12	6.7	44.1	76
5/24/2010 18:00	-4	1.9	4.3	22	6.6	43.9	74
5/24/2010 19:00	0	1.8	4.0	18	6.0	42.8	74
5/24/2010 20:00	-2	1.3	2.9	31	5.5	41.9	76
5/24/2010 21:00	-5	0.9	2.0	29	4.8	40.6	80
5/24/2010 22:00	3	0.8	1.8	57	4.5	40.1	81
5/24/2010 23:00	-5	1.1	2.5	62	4.5	40.1	80
5/25/2010 0:00	7	0.8	1.8	35	4.2	39.6	82
5/25/2010 1:00	7	0.9	2.0	41	4.0	39.2	83
5/25/2010 2:00	-5	0.8	1.8	6	3.8	38.8	84
5/25/2010 3:00	7	0.7	1.6	351	3.6	38.5	85
5/25/2010 4:00	5	0.9	2.0	322	3.3	37.9	87
5/25/2010 5:00	-5	0.5	1.1	216	2.8	37.0	88
5/25/2010 6:00	0	0.4	0.9	81	2.8	37.0	89
5/25/2010 7:00	5	0.8	1.8	306	4.0	39.2	86
5/25/2010 8:00	-5	1.1	2.5	233	6.1	43.0	72
5/25/2010 9:00	2	2.8	6.3	183	8.8	47.8	55
5/25/2010 10:00	2	2.7	6.0	180	9.5	49.1	48
5/25/2010 11:00	9	2.6	5.8	180	11.2	52.2	43

Date & Time Mountain Standard Time (data for hour ending)	PM10 Hourly (µg/m ³)	Wind Speed Hourly (meters per second)	Wind Speed Hourly (miles per hour)	Wind Direction Hourly (degrees true)	Air Temperature Hourly (Celsius)	Air Temperature Hourly (Fahrenheit)	Relative Humidity Hourly (percent)
5/25/2010 12:00	1	2.8	6.3	179	12.4	54.3	39
5/25/2010 13:00	2	3.0	6.7	148	12.9	55.2	38
5/25/2010 14:00	9	2.3	5.1	150	14.2	57.6	35
5/25/2010 15:00	-5	2.9	6.5	151	14.9	58.8	33
5/25/2010 16:00	2	2.4	5.4	150	14.7	58.5	33
5/25/2010 17:00	-4	2.5	5.6	191	14.5	58.1	33
5/25/2010 18:00	-2	3.9	8.7	163	14.0	57.2	38
5/25/2010 19:00	3	3.4	7.6	161	13.5	56.3	39
5/25/2010 20:00	-5	2.3	5.1	155	12.3	54.1	42
5/25/2010 21:00	4	1.2	2.7	122	10.0	50.0	54
5/25/2010 22:00	-5	0.9	2.0	279	5.0	41.0	73
5/25/2010 23:00	-5	0.9	2.0	288	3.6	38.5	79
5/26/2010 0:00	0	0.7	1.6	299	3.6	38.5	81
5/26/2010 1:00	-5	0.6	1.3	204	2.9	37.2	84
5/26/2010 2:00	23	0.6	1.3	212	1.7	35.1	86
5/26/2010 3:00	3	0.8	1.8	166	1.5	34.7	85
5/26/2010 4:00	1	1.2	2.7	159	1.4	34.5	84
5/26/2010 5:00	9	0.8	1.8	164	0.8	33.4	84
5/26/2010 6:00	-5	1.0	2.2	187	1.1	34.0	84
5/26/2010 7:00	8	1.3	2.9	199	5.1	41.2	69
5/26/2010 8:00	14	1.9	4.3	177	8.7	47.7	54
5/26/2010 9:00	6	1.3	2.9	162	10.9	51.6	49
5/26/2010 10:00	11	1.3	2.9	177	14.5	58.1	39
5/26/2010 11:00	14	1.1	2.5	298	15.3	59.5	37
5/26/2010 12:00	BA	1.3	2.9	333	16.4	61.5	35
5/26/2010 13:00	24	BA	BA	BA	17.1	62.8	36
5/26/2010 14:00	2	1.7	3.8	178	16.7	62.1	39
5/26/2010 15:00	4	3.3	7.4	135	17.5	63.5	38
5/26/2010 16:00	6	4.4	9.8	133	17.6	63.7	34
5/26/2010 17:00	4	4.4	9.8	137	17.3	63.1	37
5/26/2010 18:00	1	4.3	9.6	124	16.6	61.9	39
5/26/2010 19:00	6	5.0	11.2	124	15.9	60.6	41
5/26/2010 20:00	5	5.9	13.2	135	14.4	57.9	47
5/26/2010 21:00	8	5.1	11.4	132	13.3	55.9	51
5/26/2010 22:00	6	4.8	10.7	131	12.3	54.1	56
5/26/2010 23:00	1	2.6	5.8	142	11.7	53.1	58
5/27/2010 0:00	1	1.4	3.1	222	9.9	49.8	65
5/27/2010 1:00	17	0.6	1.3	330	7.2	45.0	75
5/27/2010 2:00	6	0.6	1.3	182	5.1	41.2	83
5/27/2010 3:00	-5	0.7	1.6	174	3.7	38.7	88
5/27/2010 4:00	2	0.7	1.6	228	3.8	38.8	86
5/27/2010 5:00	8	0.9	2.0	205	5.5	41.9	83
5/27/2010 6:00	10	1.0	2.2	190	6.3	43.3	80
5/27/2010 7:00	9	0.4	0.9	259	6.9	44.4	81
5/27/2010 8:00	13	1.0	2.2	210	8.4	47.1	79
5/27/2010 9:00	4	1.0	2.2	246	9.1	48.4	78
5/27/2010 10:00	-5	2.2	4.9	139	9.0	48.2	79
5/27/2010 11:00	-1	2.6	5.8	153	7.2	45.0	86
5/27/2010 12:00	9	1.9	4.3	333	9.7	49.5	82
5/27/2010 13:00	11	1.0	2.2	37	12.0	53.6	71
5/27/2010 14:00	-2	3.6	8.1	142	13.3	55.9	63
5/27/2010 15:00	-5	3.8	8.5	165	13.7	56.7	60
5/27/2010 16:00	10	4.4	9.8	150	14.5	58.1	52
5/27/2010 17:00	-1	6.3	14.1	179	13.5	56.3	55
5/27/2010 18:00	-5	3.4	7.6	194	10.8	51.4	64
5/27/2010 19:00	11	1.4	3.1	164	11.2	52.2	61
5/27/2010 20:00	7	1.4	3.1	85	11.1	52.0	63
5/27/2010 21:00	0	1.2	2.7	9	8.6	47.5	78
5/27/2010 22:00	-5	0.8	1.8	16	7.9	46.2	81
5/27/2010 23:00	5	0.9	2.0	125	7.3	45.1	85
5/28/2010 0:00	9	0.7	1.6	47	6.5	43.7	89
5/28/2010 1:00	-5	1.1	2.5	299	6.2	43.2	90
5/28/2010 2:00	9	0.7	1.6	156	6.2	43.2	91
5/28/2010 3:00	-1	0.8	1.8	175	6.1	43.0	90
5/28/2010 4:00	2	0.7	1.6	250	5.9	42.6	89
5/28/2010 5:00	-5	0.6	1.3	333	5.6	42.1	90
5/28/2010 6:00	7	0.5	1.1	79	5.9	42.6	91
5/28/2010 7:00	-5	1.1	2.5	10	5.9	42.6	89
5/28/2010 8:00	6	1.0	2.2	15	5.8	42.4	88
5/28/2010 9:00	5	1.6	3.6	10	6.3	43.3	87
5/28/2010 10:00	-5	1.9	4.3	356	5.9	42.6	87
5/28/2010 11:00	0	1.6	3.6	13	5.1	41.2	88
5/28/2010 12:00	-1	2.0	4.5	13	5.5	41.9	85
5/28/2010 13:00	-5	2.3	5.1	360	5.3	41.5	85

Date & Time Mountain Standard Time (data for hour ending)	PM10 Hourly (µg/m3)	Wind Speed Hourly (meters per second)	Wind Speed Hourly (miles per hour)	Wind Direction Hourly (degrees true)	Air Temperature Hourly (Celsius)	Air Temperature Hourly (Fahrenheit)	Relative Humidity Hourly (percent)
5/28/2010 14:00	-3	2.4	5.4	358	4.9	40.8	85
5/28/2010 15:00	-5	2.8	6.3	1	4.8	40.6	85
5/28/2010 16:00	6	2.9	6.5	357	5.0	41.0	84
5/28/2010 17:00	-4	2.9	6.5	354	4.8	40.6	84
5/28/2010 18:00	-3	3.0	6.7	353	4.4	39.9	84
5/28/2010 19:00	-2	2.9	6.5	355	4.2	39.6	84
5/28/2010 20:00	-1	2.3	5.1	358	3.9	39.0	85
5/28/2010 21:00	7	1.6	3.6	2	3.4	38.1	87
5/28/2010 22:00	0	1.0	2.2	42	3.2	37.8	86
5/28/2010 23:00	-2	0.9	2.0	22	3.3	37.9	86
5/29/2010 0:00	-2	0.8	1.8	26	3.1	37.6	87
5/29/2010 1:00	-1	1.0	2.2	352	3.1	37.6	88
5/29/2010 2:00	-5	1.1	2.5	317	2.9	37.2	88
5/29/2010 3:00	0	1.2	2.7	320	3.0	37.4	88
5/29/2010 4:00	2	1.0	2.2	350	3.1	37.6	88
5/29/2010 5:00	1	0.7	1.6	57	2.9	37.2	89
5/29/2010 6:00	6	0.7	1.6	52	2.8	37.0	87
5/29/2010 7:00	-2	0.5	1.1	48	3.7	38.7	84
5/29/2010 8:00	-3	0.9	2.0	75	4.9	40.8	80
5/29/2010 9:00	4	0.9	2.0	217	5.8	42.4	76
5/29/2010 10:00	2	1.2	2.7	4	7.0	44.6	76
5/29/2010 11:00	3	1.5	3.4	296	8.4	47.1	68
5/29/2010 12:00	9	1.5	3.4	324	9.7	49.5	63
5/29/2010 13:00	-4	1.4	3.1	302	9.0	48.2	66
5/29/2010 14:00	0	1.2	2.7	12	8.4	47.1	75
5/29/2010 15:00	0	3.7	8.3	297	10.1	50.2	66
5/29/2010 16:00	2	3.5	7.8	326	11.1	52.0	56
5/29/2010 17:00	6	3.0	6.7	274	12.0	53.6	51
5/29/2010 18:00	-5	3.3	7.4	332	11.4	52.5	55
5/29/2010 19:00	3	2.7	6.0	276	11.8	53.2	45
5/29/2010 20:00	3	2.3	5.1	290	10.5	50.9	47
5/29/2010 21:00	-5	1.3	2.9	291	6.2	43.2	66
5/29/2010 22:00	-3	0.9	2.0	297	4.3	39.7	79
5/29/2010 23:00	1	1.6	3.6	286	5.6	42.1	72
5/30/2010 0:00	-5	1.3	2.9	205	4.6	40.3	74
5/30/2010 1:00	9	1.4	3.1	163	4.1	39.4	76
5/30/2010 2:00	-2	2.0	4.5	193	5.1	41.2	73
5/30/2010 3:00	3	2.0	4.5	178	5.2	41.4	72
5/30/2010 4:00	0	2.1	4.7	186	5.8	42.4	69
5/30/2010 5:00	-5	2.3	5.1	190	6.0	42.8	68
5/30/2010 6:00	4	2.5	5.6	187	6.2	43.2	69
5/30/2010 7:00	-2	3.7	8.3	199	7.3	45.1	64
5/30/2010 8:00	-3	3.6	8.1	200	8.7	47.7	61
5/30/2010 9:00	3	2.8	6.3	196	10.3	50.5	55
5/30/2010 10:00	2	3.4	7.6	203	10.0	50.0	56
5/30/2010 11:00	12	1.8	4.0	193	11.9	53.4	46
5/30/2010 12:00	4	2.8	6.3	265	12.6	54.7	42
5/30/2010 13:00	7	4.4	9.8	278	14.1	57.4	39
5/30/2010 14:00	3	5.0	11.2	276	15.2	59.4	37
5/30/2010 15:00	5	4.6	10.3	279	15.6	60.1	35
5/30/2010 16:00	-3	4.0	8.9	272	15.6	60.1	34
5/30/2010 17:00	0	3.4	7.6	271	15.2	59.4	34
5/30/2010 18:00	10	2.3	5.1	235	15.6	60.1	30
5/30/2010 19:00	-5	3.2	7.2	271	15.1	59.2	31
5/30/2010 20:00	0	3.2	7.2	288	13.8	56.8	33
5/30/2010 21:00	-5	2.1	4.7	297	11.0	51.8	41
5/30/2010 22:00	2	1.2	2.7	285	9.0	48.2	53
5/30/2010 23:00	8	1.4	3.1	211	8.9	48.0	56
5/31/2010 0:00	9	1.0	2.2	167	6.3	43.3	70
5/31/2010 1:00	-5	1.6	3.6	198	8.4	47.1	59
5/31/2010 2:00	7	1.7	3.8	244	9.0	48.2	58
5/31/2010 3:00	4	1.3	2.9	169	8.3	46.9	63
5/31/2010 4:00	5	1.3	2.9	152	7.1	44.8	70
5/31/2010 5:00	-5	1.3	2.9	163	7.4	45.3	69
5/31/2010 6:00	2	2.1	4.7	191	8.1	46.6	65
5/31/2010 7:00	1	2.8	6.3	191	10.6	51.1	56
5/31/2010 8:00	2	2.9	6.5	179	11.9	53.4	53
5/31/2010 9:00	6	3.1	6.9	188	13.8	56.8	47
5/31/2010 10:00	0	3.0	6.7	175	14.8	58.6	45
5/31/2010 11:00	2	3.9	8.7	219	16.4	61.5	42
5/31/2010 12:00	-5	2.7	6.0	302	15.4	59.7	49
5/31/2010 13:00	-4	3.4	7.6	227	14.0	57.2	58
5/31/2010 14:00	4	4.4	9.8	199	15.7	60.3	53
5/31/2010 15:00	6	3.9	8.7	188	17.9	64.2	44

Date & Time Mountain Standard Time (data for hour ending)	PM10 Hourly (µg/m3)	Wind Speed Hourly (meters per second)	Wind Speed Hourly (miles per hour)	Wind Direction Hourly (degrees true)	Air Temperature Hourly (Celsius)	Air Temperature Hourly (Fahrenheit)	Relative Humidity Hourly (percent)
5/31/2010 16:00	8	2.8	6.3	170	17.7	63.9	42
5/31/2010 17:00	-5	4.7	10.5	242	11.3	52.3	75
5/31/2010 18:00	7	1.9	4.3	166	10.0	50.0	86
5/31/2010 19:00	6	1.9	4.3	133	10.9	51.6	80
5/31/2010 20:00	-5	0.7	1.6	175	10.9	51.6	79
5/31/2010 21:00	2	0.8	1.8	312	9.9	49.8	87
5/31/2010 22:00	3	0.6	1.3	52	9.4	48.9	90
5/31/2010 23:00	-5	0.8	1.8	303	8.8	47.8	90
6/1/2010 0:00	-5	1.1	2.5	212	8.2	46.8	91

AO = Bad weather

BA = Routine maintenance / repairs